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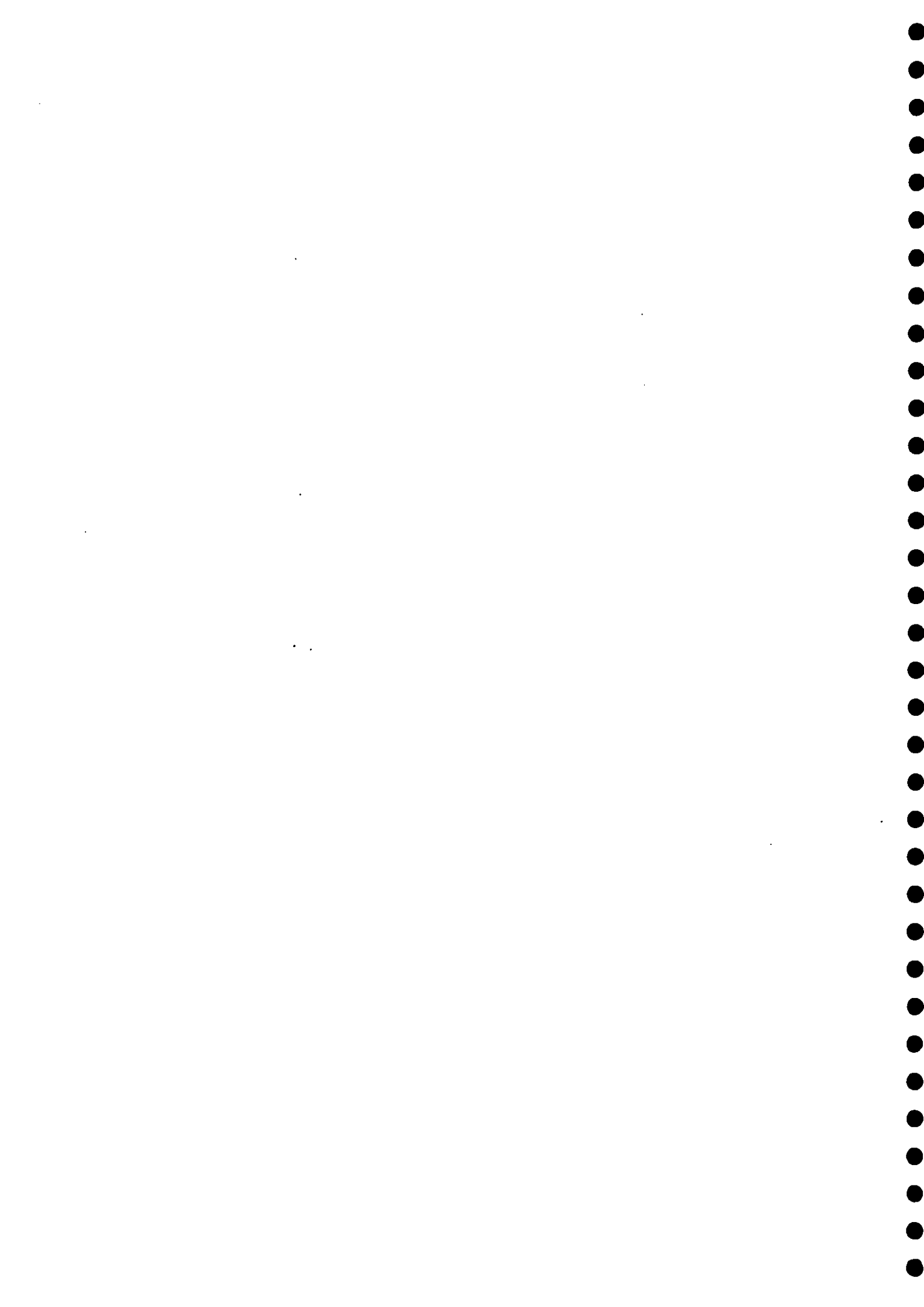
On the variability of flood occurrence

Report to MAFF

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Institute of Hydrology
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Executive Summary

This report describes how peaks-over-threshold (POT) flood date information, from the Institute of Hydrology's flood peak database, has been used to develop an index, the coefficient of variation of recurrence intervals (CVRI), which characterizes the irregularity of flood occurrence.

After a brief introduction, Section 2 outlines how the use of complete water years allows the comparison of records between catchments to be more consistent and simplifies analyses. The procedure adopted to calculate CVRI is also given here.

Section 3 gives details of how index values appeared to be influenced by the period of record used and of the application of a standard period to overcome this. For stations unable to supply complete data for the standard period, an alternative standardization procedure was developed. Thresholds and CVRI values were adjusted to obtain results equivalent to using the standard period. An important feature of this procedure was the production of a standardized threshold for each catchment, likely to be used in further analyses based on POT data.

An examination of the spatial variability of CVRI values across the UK, in Section 4, revealed that catchments where flood occurrence is typically irregular are more frequently found in the south-west and east. Soil moisture deficit (SMD) data from the Met. Office Rainfall and Evaporation Calculation System (MORECS), suggested that this may be related to the short periods that catchment soils are at, or near, field capacity, in these areas. High SMDs inhibit flood formation at other times and flood occurrence, therefore, tends to take on an irregular pattern. Use of the Hydrology Of Soil Types (HOST) classification may be helpful in reconciling local differences in CVRI values, unexplained by the generalized estimates of SMD.

Traditionally the grouping of catchments into regions, so that data can be pooled and regional growth curves produced, has been based on statistics derived from flood magnitudes. An alternative strategy would be to group catchments according to indices of flood regime taken from flood dates. It is hoped that the irregularity index, and others based on date information which characterize flood seasonality, will be at the centre of a new approach to regionalization.



Contents

Page

1	INTRODUCTION	1
2	INDEXING THE IRREGULARITY OF FLOOD OCCURRENCE	2
2.1	Use of complete water years	2
2.2	The coefficient of variation of recurrence intervals (CVRI)	2
3	STANDARDIZATION	4
3.1	Standardization of POT thresholds	4
3.2	Index sensitivity to period of record	4
3.3	Standardization to a fixed period of record	4
4	INTERPRETATION	6
4.1	Introduction	6
4.2	Spatial variability	9
5	DISCUSSION AND CONCLUSIONS	17
	ACKNOWLEDGEMENTS	18
	REFERENCES	19
	APPENDICES	20
	Appendix 1 Period of record information	20
	Appendix 2 Standardized CVRI values	55

Figures

2.1	Calculation of recurrence intervals	2
3.1	Mean recurrence interval for individual water years	5
4.1	Range and distribution of CVRI values	6
4.2	Standardized POT series for two contrasting catchments	7
4.3	Distribution of recurrence intervals for the Glen and Ystwyth	8
4.4	Spatial variability in CVRI	10
4.5	The effect of soil moisture deficits on flood occurrence	11
4.6	Relationship between CVRI and proportion of month-end SMD values at, or near, field capacity	13
4.7	Dominant HOST class on 1 km grid	15

Tables

A1.1	POT flood records for water years 1901 - 1990 (inclusive) - catchments in hierarchical order	21
A1.2	POT flood record keys - catchments in hierarchical order	38
A2.1	Standardized CVRI values - catchments in station number order	56

1 Introduction

A feature of some UK catchments is that, following a long flood-free period, several floods will occur in quick succession. An index describing this irregularity in flood occurrence will help identify those catchments where this phenomenon exists, and may be useful in the discrimination of homogeneous flood regimes (Reed *et al.*, 1994).

The peaks-over-threshold (POT) flood database at the Institute of Hydrology holds date and magnitude information for over 77000 independent floods on 857 catchments in the UK (Bayliss & Jones, 1993). While flood peak magnitudes are inherently difficult to measure accurately, the use of dates to index flood occurrence has the advantage of utilizing data which are relatively easy to derive and largely accurate.

2 Indexing the irregularity of flood occurrence

2.1 USE OF COMPLETE WATER YEARS

A water year from 1 October to 30 September was adopted throughout the flood peak database for the definition of annual maxima. However, station records of POT data often started and finished during water years, and gaps in the data meant a number of years were incomplete. Only those parts of the record which formed whole water years were used here (Table A1.1) and, although this inevitably meant that some data were discarded, it did at least ensure that no bias was incorporated as a result of the inclusion of an additional summer or winter.

The use of complete water years meant that comparisons of records were more consistent and simplified the hierarchical search for common periods of record in the adjustment of values to a standard period (Section 3.3).

2.2 THE COEFFICIENT OF VARIATION OF RECURRENCE INTERVALS (CVRI)

The measure adopted to describe the irregularity of flood occurrence, used the variability of intervals between (n) flood peaks. For each site (n-1) intervals were calculated. Then, in order that due consideration was taken of the start and finish points of the record, the times between the start of the record and the first peak, and between the nth peak and the end of the record were calculated. These two times were added together to give an additional recurrence interval, making n in all. Where an incomplete water year, or years, occurred in the record, the duration of the gap was deducted from the recurrence interval being calculated, whether it was between flood peaks, or at the start or end of the record (Figure 2.1).

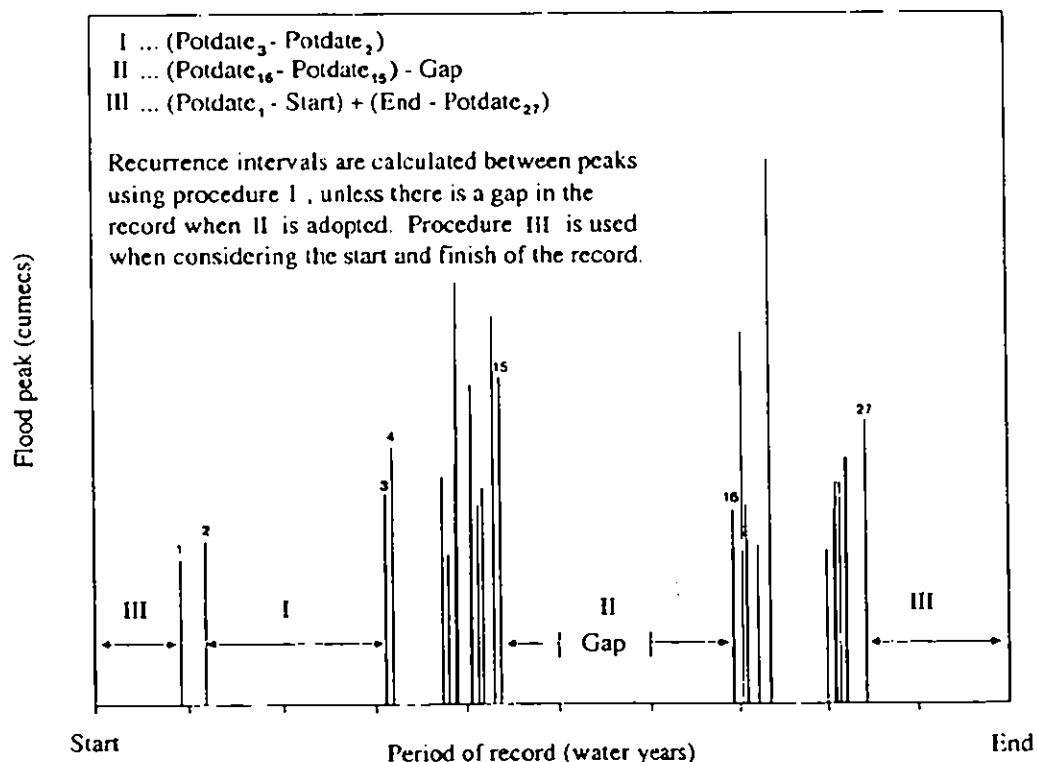


Figure 2.1 Calculation of recurrence intervals

The mean recurrence interval, calculated over all complete water years, reflects the setting of the chosen threshold and gives no information about the irregularity of flood occurrence. For example, where the threshold has been set to give, on average, five peaks a year, then the mean recurrence interval will be about 73 days. The standard deviation of recurrence intervals does indicate the variability about the mean and as such could be used to index irregularity. However, since in some cases it is not possible to achieve, exactly, the required average number of peaks a year (due to rounding), the mean may vary slightly. Consequently, as the mean is not always identical at all sites, the coefficient of variation (standard deviation divided by the mean) of recurrence intervals, CVRI, was adopted as the index of irregularity. Low CVRI values describe POT series where floods occur relatively regularly and high values indicate that the occurrence of floods is irregular.

3 Standardization

3.1 STANDARDIZATION OF POT THRESHOLDS

The thresholds chosen for the extraction of POT data were selected to give, on average, five peaks a year. However, this average was not always achieved. For example, when new data were added to the POT series following further extraction, the average decreased or increased for some sites, depending on the rainfall in the new period. Indeed, the average number of peaks per year, for gauging stations held on the POT database, varies from two to eleven (Bayliss & Jones, 1993).

In the present study, to ensure greater consistency and a more direct comparison between catchments, where a sufficient number of peaks had been extracted POT thresholds were standardized to yield an average of four peaks a year. This was achieved by noting the record length (incomplete water years are excluded), multiplying by four, and rounding to the nearest integer, to give the required number of POT values. The POT data were ranked by magnitude in decreasing order and the relevant number of values taken. The threshold had effectively been raised.

3.2 INDEX SENSITIVITY TO PERIOD OF RECORD

Although the average record length for catchments with POT data is nearly 20 years, the number of complete water years available varies from just two years for station 90801 (Nevis at Achreoch), to 101 years for station 39001 (Thames at Kingston). Much of the data held on the database are for a 20-year period between the mid-sixties and the mid-eighties, but there is still considerable variation in the period of record held (Table A1.1).

CVRI values were calculated for all catchments on the database with sufficient peaks to allow standardization by an average of four peaks a year. The complete period of record available was used in each case. It appeared that those catchments which included one or more droughts in their record produced rather higher CVRI values than those which did not. To establish whether the index was indeed sensitive to the period of record used, the mean recurrence interval was calculated for individual water years, across some 300 catchments, for the period 1950 to 1988 (Figure 3.1). The variation in recurrence intervals seems to mirror the variability of the climate, with the 1976 drought particularly prominent. It was concluded, therefore, that the variability of the recurrence intervals, and hence the CVRI value, was dependent to some extent on the period of record used.

3.3 STANDARDIZATION TO A FIXED PERIOD OF RECORD

To ensure that differences in CVRI values between catchments were not just reflecting the use of different periods of record, further standardization was required. Inevitably the imposition of a standard period will mean that some stations are unable to provide data for the complete period, and this might be expected to result in a large number of station records being rejected. To avoid the loss of valuable data, an adjustment procedure (Reed, 1994) was developed for those station records which did not fully comply to the standard period.

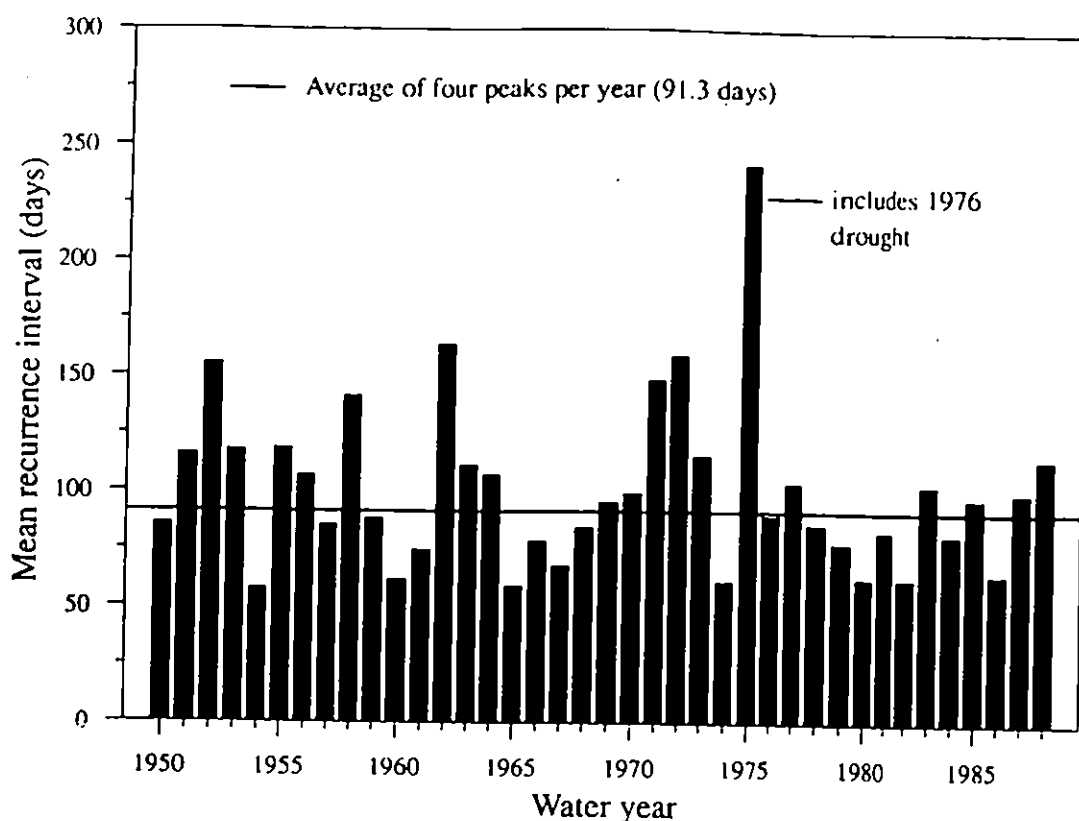


Figure 3.1 Mean recurrence interval for individual water years

Rather than adjusting the threshold to achieve a required number of peaks over the whole record (Section 3.1), each threshold was standardized to give an average of four peaks per year over a 20-year standard period of record (water years 1963 - 1982, inclusive). For the 111 catchments able to comply with the standard period, CVRI values were calculated using POT data from this 20-year period only.

For those catchments unable to comply with the standard period, an alternative standardization procedure was devised. All stations, including those described above, were placed in a hierarchy, to reflect the closeness of their 'best 20-year period', or the complete record where less than 20 years were available, to the standard period (Table A1.2). By using information only from those stations with the same record available, and which were above the site of interest in the hierarchy, a threshold was chosen to give an *equivalent* number of peaks per year to that which would be obtained from using the standard period. CVRI values were calculated on this best period and then adjusted by reference to stations with the same period of record.

There were 178 catchments with an insufficient number of peaks to satisfy the required average of four peaks per year, as a result of the abstraction threshold being set too high. These are marked with an asterisk in Appendix 2 (Table A2.1), where CVRI values are presented.

4 Interpretation

4.1 INTRODUCTION

The diversity of flood regimes in the UK is reflected in the large range of CVRI values found (0.803 to 2.406), with the distribution of values seen to be positively skewed, with a mean of 1.416 and a median of 1.379 (Figure 4.1).

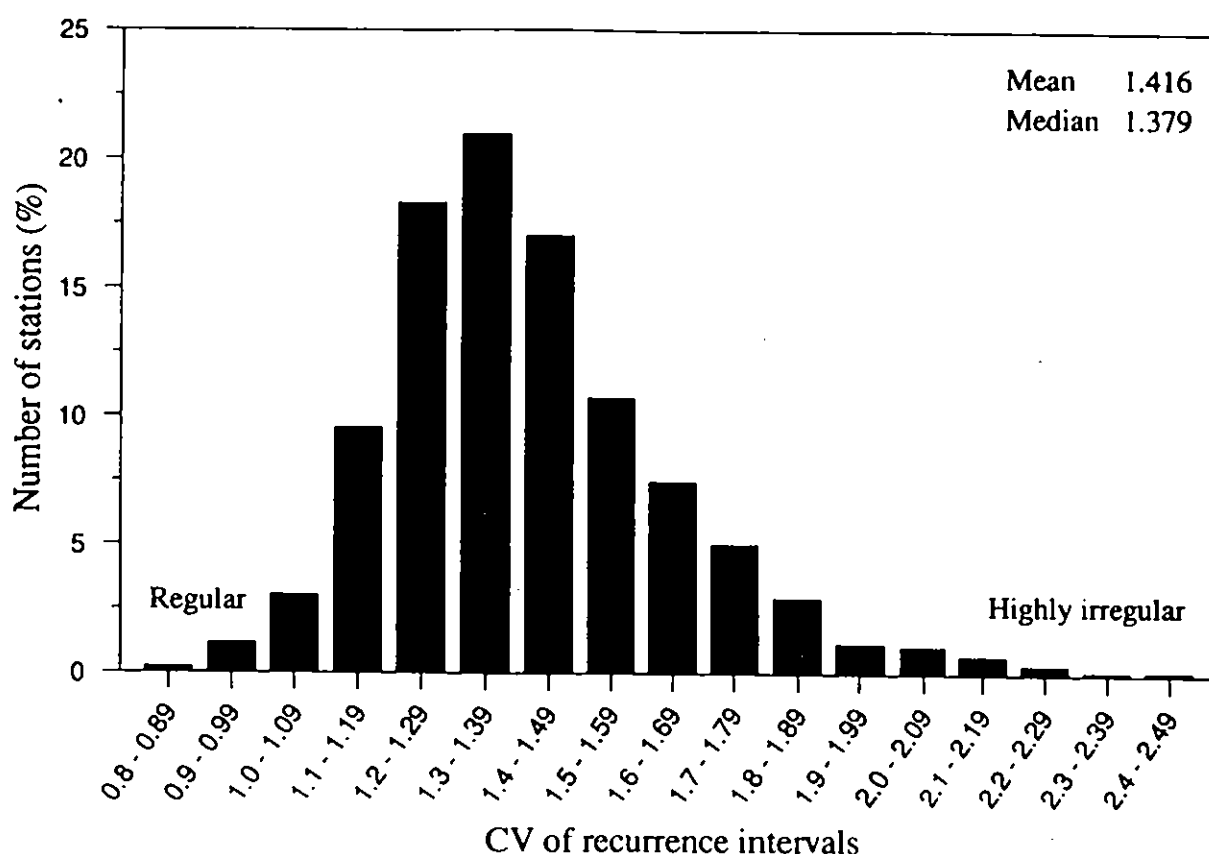


Figure 4.1 Range and distribution of CVRI values

Contrasting examples, taken from opposite ends of the range, are presented in Figure 4.2. The standardized POT series for the Glen at Kates Bridge - where, typically, long flood-free periods are followed by a succession of floods in late winter (CVRI = 2.116) - illustrates the highly irregular nature of flooding on some catchments. In comparison, flood occurrence on the Ystwyth at Pont Llolwyn, is relatively regular (CVRI = 1.129). Figure 4.3 provides details of the inter-event times for both these catchments. The frequency histogram for the Glen shows that nearly 70% of recurrence intervals are less than 30 days and there are a number of flood-free periods spanning several years. This contrasts with the distribution of recurrence intervals for the Ystwyth, where only 38% of the intervals between floods are less than 30 days, and the distribution across other classes is rather more even.

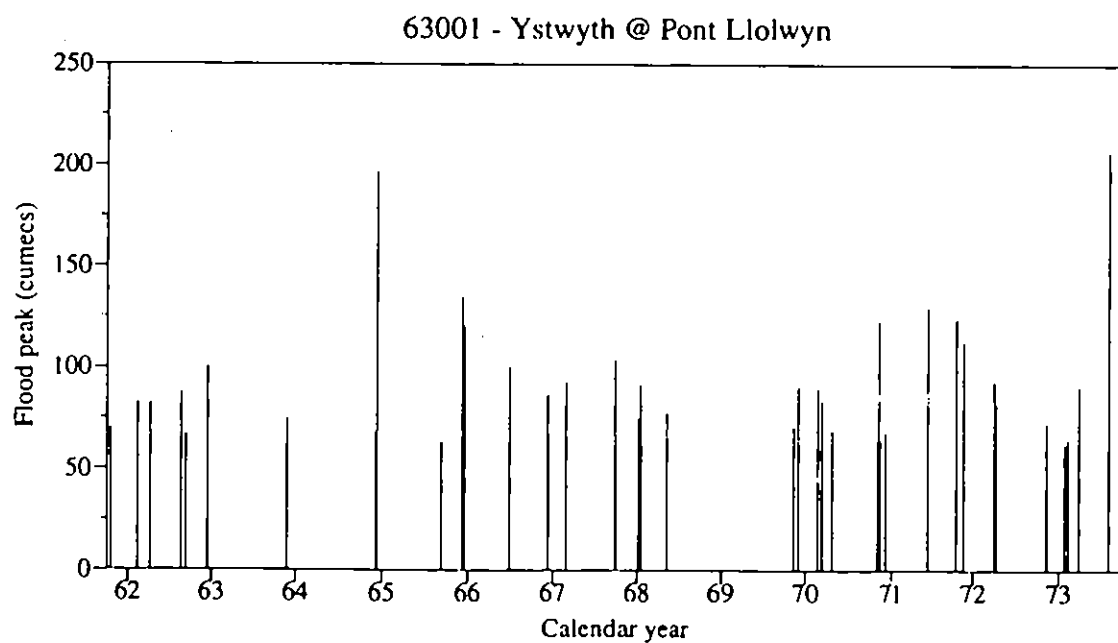
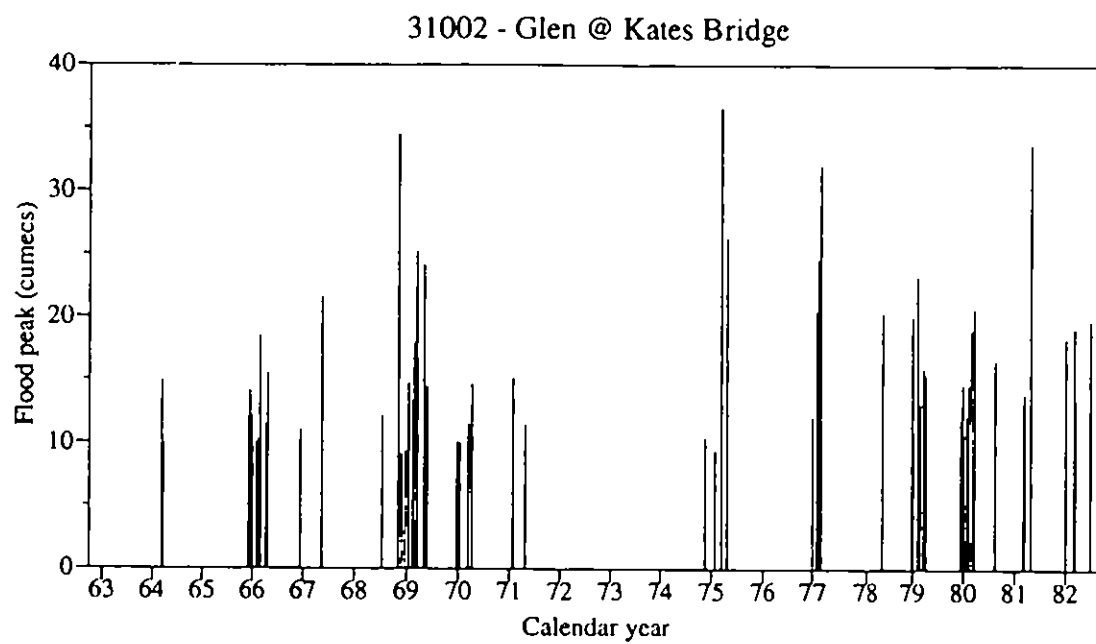


Figure 4.2 Standardized POT series for two contrasting catchments

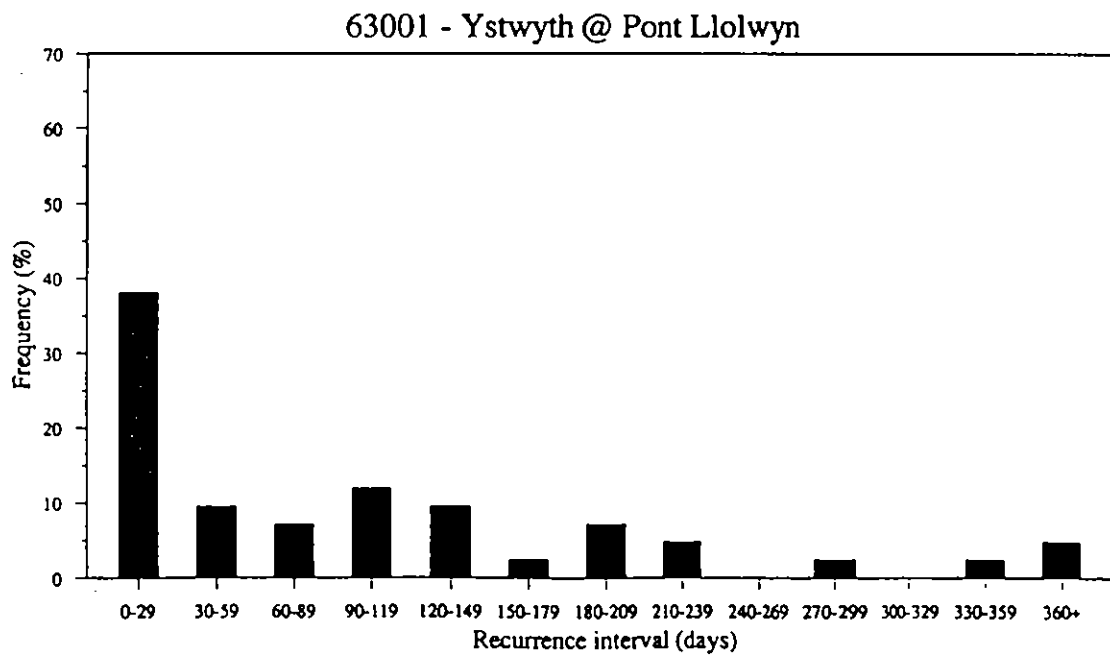
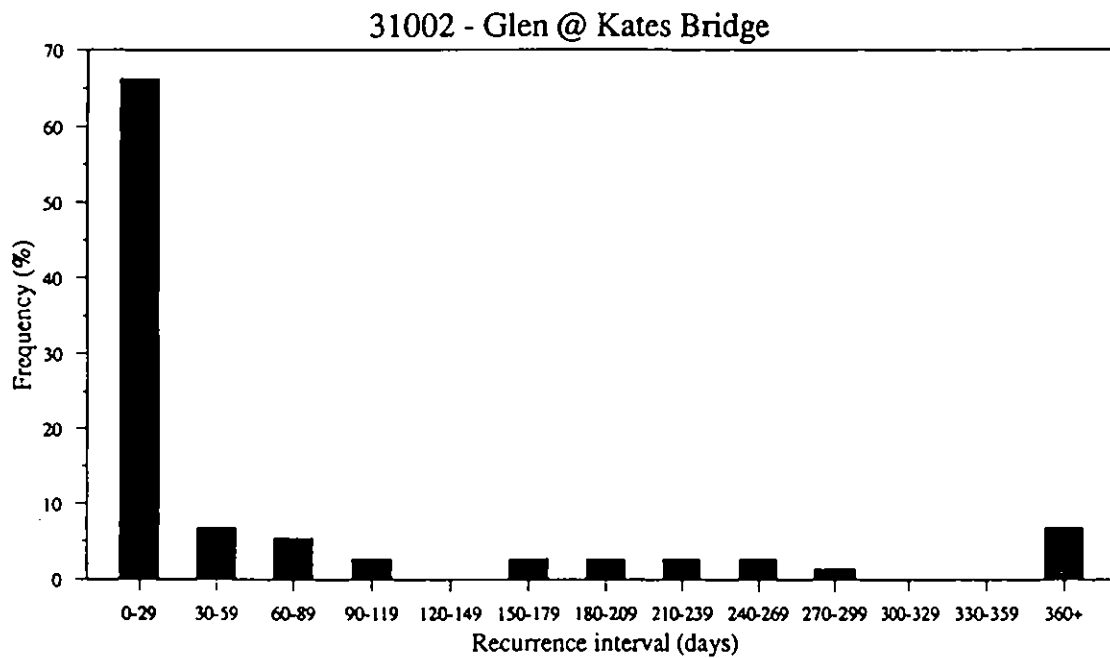


Figure 4.3 Distribution of recurrence intervals for the Glen and Ystwyth

4.2 SPATIAL VARIABILITY

CVRI values, represented by coloured dots located at the catchment gauging points, are shown in Figure 4.4. A number of catchments with high CVRI values are evident in eastern and south-west England. Catchments with low index values are more frequently found in Wales and north-west England. Although sites with similar CVRI values are far from geographically contiguous there appears to be some localised homogeneity.

4.2.1 Soil Moisture Deficit

Generalized month-end Soil Moisture Deficit (SMD) data are produced by the Met. Office Rainfall and Evaporation Calculation System (MORECS) for England, Scotland and Wales (Thompson *et al.*, 1981). Although these data represent averages over 40 km x 40 km squares they seem to offer some explanation of the localised trends in CVRI values, apparent in Figure 4.4.

In eastern England, low rainfall and high evaporation often lead to long periods when SMD values are high; correspondingly, the periods when SMD values are low tend to be short. Figure 4.5 illustrates the inhibiting effect that high SMD has on flood formation on the Glen. Here floods above the standardized threshold are almost exclusively confined to the short periods when SMD is at, or close to, zero; consequently, flood occurrence is highly irregular or clustered. Figure 4.5 also shows how, for the Ystwyth, in mid-Wales, where the climate is typically much wetter and cooler, SMDs are much lower. Here flood-producing conditions are evident for much longer periods and flood occurrence is more regular.

Although SMD data appear to be useful in explaining the variability of flood occurrence, Figure 4.6 illustrates that there is considerable scatter when plotting CVRI against the proportion of month-end SMD values equal to, or below, 10mm, during the standard period. The length of time when SMD is at, or close to, zero is seen to be important in reconciling differences between the Glen and the Ystwyth. A linear regression on the proportion of month-end SMD values less than, or equal to, 10mm, though very highly significant, explains only 13% of the variation in CVRI across catchments. Thus it is clear that other factors influence the regularity of flood occurrence.

MORECS SMD estimates are produced for soils with high, medium and low available water (Thompson *et al.*, 1981). The SMD data used here assume that all soils have medium water capacity, which means that evapotranspiration, and consequently SMD, differences resulting from dissimilar soil types are not reflected in these data.

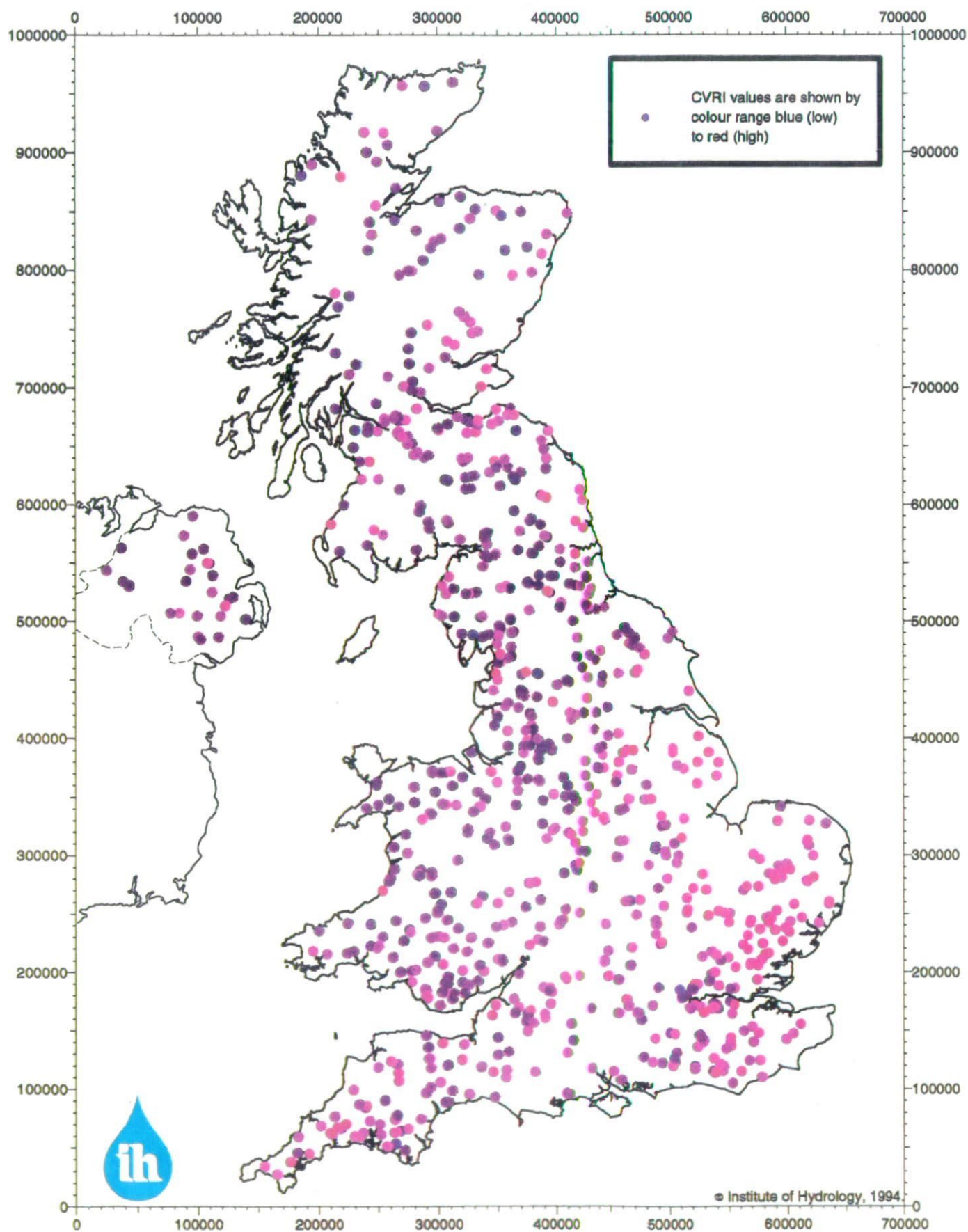
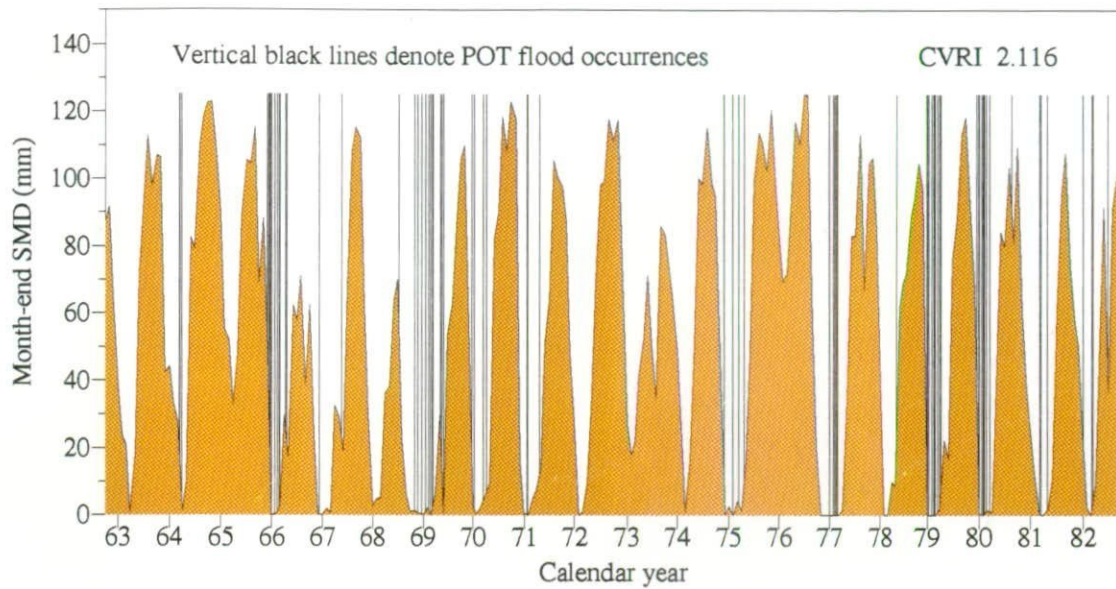


Figure 4.4 Spatial variability in CVRI

31002 - Glen @ Kates Bridge



63001 - Ystwyth @ Pont Llolwyn

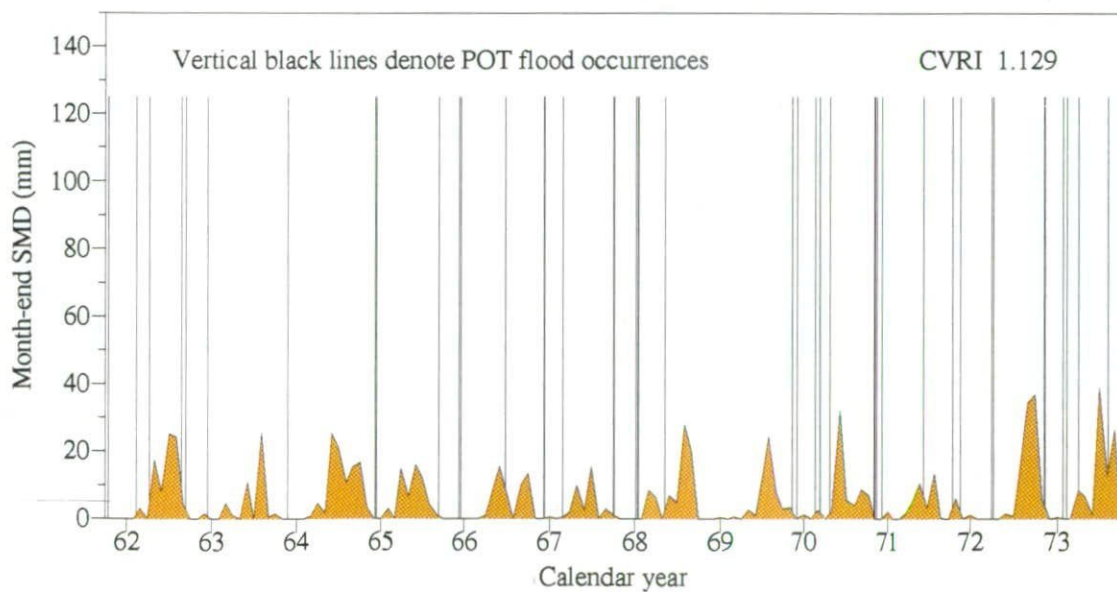


Figure 4.5 The effect of soil moisture deficits on flood occurrence

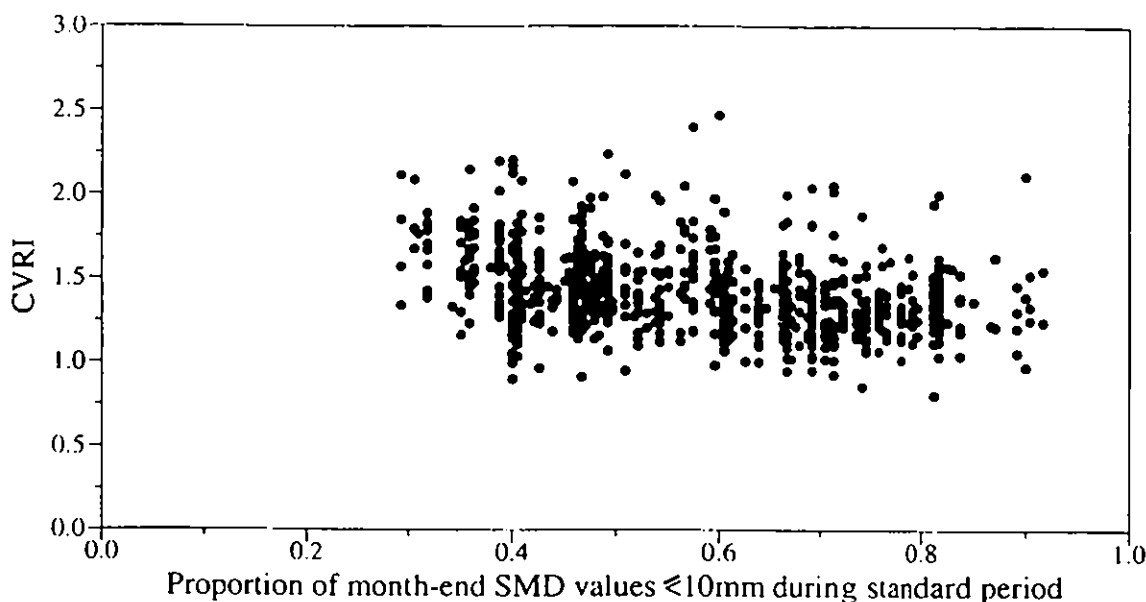


Figure 4.6 Relationship between CVRI and proportion of month-end SMD values at, or near, field capacity

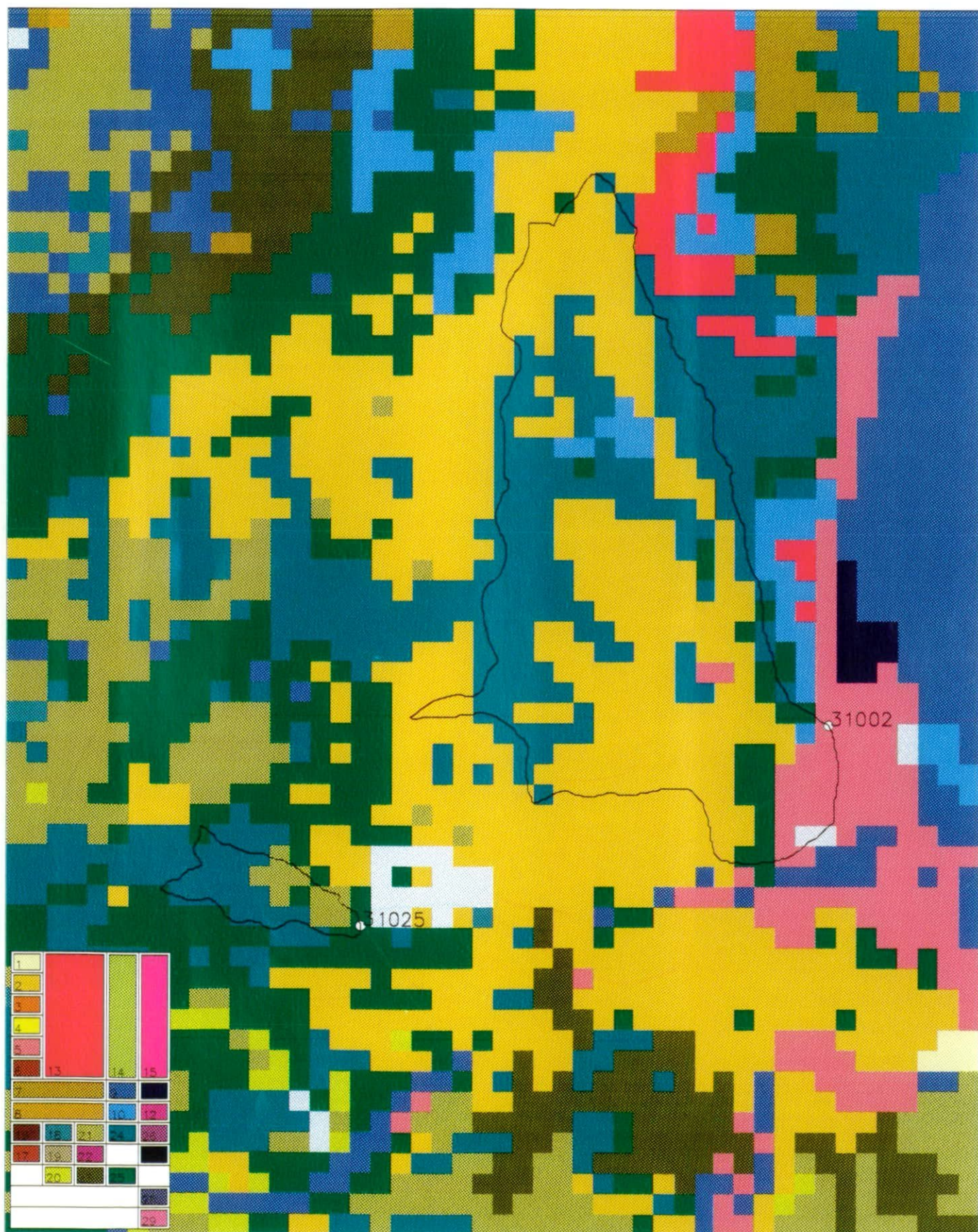
4.2.2 Soil type

The permeability of soils is known to be important in determining catchment response to rainfall and flood formation. Boorman *et al.* (1994), describe how UK soils have been delineated according to their hydrological properties, to produce the 29-class Hydrology Of Soil Types (HOST) classification.

The Glen at Kates Bridge (31002) has a highly irregular flood regime (CVRI=2.116), while the standardized POT series for the Gwash at Manton (31025) indicates that here flooding is far more regular (CVRI=1.148). Mean month-end SMD values, calculated over the standard period (water years 1963 - 1982, inclusive), for these neighbouring catchments are similar, 52.8 mm and 38.1 mm respectively, reflecting the drier climate found in eastern England. Although SMDs are typically a little lower for the Gwash than the Glen, it seems likely that the differences in soil type may be an important factor when considering the contrasting flood regimes.

Figure 4.7 shows the dominant HOST class, on a 1 km grid, for a 48 km x 60 km area to the south-west of the Wash, which encompasses these two tributaries of the river Welland. In all, 53% of the 1 km² cells in the Glen catchment are shown to contain soils which are predominantly freely drained and overlying limestone (HOST class 2 - yellow), while impermeable boulder clay (class 24 - blue/green) is the dominant class in 34% of the cells. The presence of permeable soils over much of the catchment may mean that the periods when flood-producing conditions are in evidence are shorter, and consequently flooding more clustered, than suggested by the generalized estimates of SMD. In contrast, impermeable soils (HOST class 24) cover a large proportion of the Gwash catchment, which suggests it is relatively responsive. Here the HOST classification indicates that the inhibition of flood formation by catchment soils may occur less frequently than implied by SMD data, which may account for the relatively regular nature of flooding at this site.

Figure 4.7 Dominant HOST Class on 1km Grid



5 Discussion and conclusions

Flood date information held on the peaks-over-threshold (POT) flood database has been used to produce an index, the coefficient of variation of recurrence intervals (CVRI), which represents the irregularity of flood occurrence at each of the 857 sites for which data are held.

A year-by-year examination of CVRI values, produced by pooling data from over 300 sites, revealed that the index was sensitive to the period of record used. Records that included one or more droughts were seen to produce higher CVRI values than those which did not. To overcome this problem, a standard period of record was chosen to allow consistent comparisons of index values between catchments. For those catchments unable to comply with the standard period, an alternative standardization procedure was developed. A notable product of this procedure is a standardized threshold, whose application is likely to be seen as important in the production of other indices and analyses based on POT flood data.

The spatial variability of standardized CVRI values across the UK was briefly investigated. Catchments with low index values were more frequently found in the north and west while those with high CVRI values were more evident in the south-west and east. Comparisons of MORECS SMD data with the occurrence of POT flood events, suggest that high SMDs typically found in eastern England had an inhibiting effect on flood formation. Flood occurrence was more likely to be confined to the short periods when SMD was at, or close to, zero, and therefore the occurrences were highly clustered and irregular. Conversely in the wetter, cooler north and west, catchment soils are at field capacity for much longer periods and flood occurrence is typically more regular.

The SMD data used here did not take account of soil type and the HOST classification could be used to, at least, partly reconcile locally contrasting CVRI values. An example is given using two neighbouring catchments in eastern England.

It is concluded that CVRI is useful in discriminating flood regime across UK catchments. Work is in progress to use this index, along with others describing the seasonality of flooding, to construct homogeneous catchment groups for the pooling of flood peak data and growth curve derivation.

Acknowledgements

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Appendix 1 Period of record information

Table A1.1 identifies complete water years for each catchment POT flood record in the period 1901 to 1990 inclusive. Years for which there are no data, or data are incomplete, are denoted by zero. The standard period, water years 1963 - 1982 inclusive, is shown in bold. The water year is defined to commence on 1 October.

Those sections of records which pre-date 1901 (stations 27021, 28804 and 39001) are not shown here.

Table A1.2 presents 'key' information for each catchment, reflecting the closeness of their 'best' 20-year period (or the complete record where this is less than 20 years), to the standard period. Catchments are shown in the hierarchical order (ipos) produced by sorting on these selected keys. The order of priority given during sorting, and a description of the keys, is given below.

1. Descending n_1 Number of complete water years in standard period 1963 - 1982
2. Descending m Number of complete water years defined by standard period or best 20-year period. Where less than 20 years are available, number of years used reflects complete record.
3. Ascending l Length of record (j_1 defines the start year and j_2 the end) required to embrace the standard period or best 20-year period. Where there are no gaps, $l = 20$; where gaps exist, $l > 20$. Where less than 20 years are available, the number of years shown reflects the complete record (including gaps).
4. Ascending *absoff* Extent, in years, to which the best period is offset from the standard period. Defined as the absolute difference between the mid-point of the best period and the mid-point of the standard period.
5. Descending n_2 Number of complete water years outside the standard period.

Keys j_1 and j_2 , which define the period of record used to calculate CVRI, were not, themselves, used in the sort procedure.

The signed variable, offset, gives additional information relating to the best period. Where, offset is negative the best period precedes the standard period by the number of years shown, and where it is positive it follows the standard period. It was not used in the sort procedure and is given for information only.

Ipos is the index position of the catchment in the hierarchy.

[illegible]

[illegible]

45011	BARLE @ BRUSHFORD
52014	TONE @ GREENHAM
71006	RIBBLE @ HENTHORN
21010	TWEED @ DRYBURGH
8001	SPEY @ ABERLOUR
15003	TAY @ CAPUTH
191802	ALLT LEACHDACH @ INTAKE
23001	TYNE @ BYWELL
11002	UGIE @ INVERUGIE
15010	ISLA @ WESTER CARDEAN
18005	ALLAN WATER @ BRIDGE OF ALLAN
20006	BIEL WATER @ BELTON HOUSE
21024	JED WATER @ JEDBURGH
224001	WEAR @ SUNDERLAND BRIDGE
225010	BAYDALE BECK @ MOWDEN BRIDGE
52016	CURRYPOOL STREAM @ CURRYPOOL FARM
97002	THURSO @ HALKIRK
53018	AVON @ BATHFORD
232004	SOUTH TYNE @ HAYDON BRIDGE
225002	TEES @ DENT BANK
48010	SEATON @ TREBROWNBRIDGE
48011	FOWEY @ RESTORMELL II
49004	GANNEL @ GWILLS
54016	RODEN @ RODINGTON
31023	WEST GLEN @ EASTON WOOD
71005	BOTTOMS BECK @ BOTTOMS BECK FLUME
51003	WASHFORD @ BEGEARN HUISH
21006	TEES @ BOLESIDE
225018	TEES @ MIDDLETON IN TEESDALE
54028	YVRNRY @ LLANYMNECH
58009	EWENNY @ KEEPERS LODGE
65005	ERCH @ PENCAENEMYDD
71010	PENDLE WATER @ BARDEN LANE
54029	TENE @ KNIGHTSFORD BRIDGE
21011	YARROW WATER @ PHILIPHAUGH
30014	POINTON LODE @ POINTON
33039	BEDFORD OUSE @ ROXTON
56013	YSCIR @ PONTARYSCIR
66005	CLWYD @ RUTHIN WEIR
75005	DERWENT @ PORTINSCALE
01005	CAMOWEN @ CAMOWEN TERRACE
01006	DRUMRAGH @ CAMPSIE BRIDGE
05004	LAGAN @ NEWFORGE
05005	RAVERNET @ RAVARNET
06001	CLANRYE @ MOUNT MILL BRIDGE
06002	JERRETSPASS @ JERRETSPASS
03019	CLAUDY @ GLENONE BRIDGE
03020	MOYOLA @ MOYOLA NEW BRIDGE
36015	STOUR @ LAMARSH
05003	LAGAN @ DUNMURRY
28047	OLDCOTES DYKE @ BLYTH
28052	SOW @ GREAT BRIDGFORD

Table A1.2 POT flood record keys - catchments in hierarchical order

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
39001	THAMES @ KINGSTON	1963	1982	20	20	20	0.0	81	0.0	1
12001	DEE @ WOODEND	1963	1982	20	20	20	0.0	40	0.0	2
55002	WYE @ BELMONT	1963	1982	20	20	20	0.0	38	0.0	3
54001	SEVERN @ BENDLEY	1963	1982	20	20	20	0.0	34	0.0	4
68005	WEAVER @ AUDLEM	1963	1982	20	20	20	0.0	28	0.0	5
32002	WILLOW BROOK @ FOTHERINGHAY	1963	1982	20	20	20	0.0	26	0.0	6
39002	THAMES @ DAYS WEIR	1963	1982	20	20	20	0.0	26	0.0	7
54002	AVON @ EVESHAM	1963	1982	20	20	20	0.0	26	0.0	8
68001	WEAVER @ ASHBROOK	1963	1982	20	20	20	0.0	24	0.0	9
32003	HARPERS BROOK @ OLD MILL BRIDGE	1963	1982	20	20	20	0.0	23	0.0	10
55003	LUGG @ LUGWARDINE	1963	1982	20	20	20	0.0	23	0.0	11
55004	IRFON @ ABERNANT	1963	1982	20	20	20	0.0	23	0.0	12
55007	WYE @ ERWOOD	1963	1982	20	20	20	0.0	23	0.0	13
21003	TWEED @ PEEBLES	1963	1982	20	20	20	0.0	21	0.0	14
84015	KELVIN @ DRYFIELD	1963	1982	20	20	20	0.0	21	0.0	15
8005	SPEY @ BOAT OF GARTEN	1963	1982	20	20	20	0.0	18	0.0	16
8004	AVON @ DELNASHAUGH	1963	1982	20	20	20	0.0	17	0.0	17
8006	SPEY @ BOAT O BRIG	1963	1982	20	20	20	0.0	17	0.0	18
8007	SPEY @ INVERTRUIM	1963	1982	20	20	20	0.0	17	0.0	19
8009	DULNAIN @ BALNAAN BRIDGE	1963	1982	20	20	20	0.0	17	0.0	20
8010	SPEY @ GRANTOWN	1963	1982	20	20	20	0.0	17	0.0	21
15008	DEAN WATER @ COOKSTON	1963	1982	20	20	20	0.0	15	0.0	22
68003	DANE @ RUDHEATH	1963	1982	20	20	20	0.0	15	0.0	23
69024	CROAL @ FARNWORTH WEIR	1963	1982	20	20	20	0.0	15	0.0	24
33009	BEDFORD OUSE @ HARROLD MILL	1963	1982	20	20	20	0.0	13	0.0	25
39008	THAMES @ EYNSHAM	1963	1982	20	20	20	0.0	13	0.0	26
54005	SEVERN @ MONTFORD	1963	1982	20	20	20	0.0	13	0.0	27
84003	CLYDE @ HAZELBANK	1963	1982	20	20	20	0.0	13	0.0	28
84005	CLYDE @ BLAIRSTON	1963	1982	20	20	20	0.0	13	0.0	29
19001	ALMOND @ CRAIGIEHALL	1963	1982	20	20	20	0.0	12	0.0	30
45001	EXE @ THORVERTON	1963	1982	20	20	20	0.0	12	0.0	31
46002	TEIGN @ PRESTON	1963	1982	20	20	20	0.0	12	0.0	32
79002	NITH @ FRIARS CARSE	1963	1982	20	20	20	0.0	12	0.0	33
7003	LOSSIE @ SHERIFFMILLS	1963	1982	20	20	20	0.0	11	0.0	34
47001	TAMAR @ GUNNISLAKE	1963	1982	20	20	20	0.0	11	0.0	35
67005	CEIRIOG @ BRYNKINALT WEIR	1963	1982	20	20	20	0.0	11	0.0	36
20001	TYNE @ EAST LINTON	1963	1982	20	20	20	0.0	10	0.0	37
39007	BLACKWATER @ SWALLOWFIELD	1963	1982	20	20	20	0.0	10	0.0	38
46003	DART @ AUSTINS BRIDGE	1963	1982	20	20	20	0.0	10	0.0	39
53004	CHEW @ COMPTON DANDO	1963	1982	20	20	20	0.0	10	0.0	40
55015	HONDDU @ TAFOLOG	1963	1982	20	20	20	0.0	9	0.0	41
9001	DEVERON @ AVOCHIE	1963	1982	20	20	20	0.0	9	0.0	42
9002	DEVERON @ MUIRESK	1963	1982	20	20	20	0.0	9	0.0	43
21009	TWEED @ NORHAM	1963	1982	20	20	20	0.0	9	0.0	44
25001	TEES @ BROKEN SCAR	1963	1982	20	20	20	0.0	9	0.0	45

Number	Name	j1	j2	n1	m	1	absoff	n2	offset	ipos
34002	TAS @ SHOTESHAM	1963	1982	20	20	20	0.0	9	0.0	46
19002	ALMOND @ ALMOND WEIR	1963	1982	20	20	20	0.0	8	0.0	47
19004	NORTH ESK @ DALMORE WEIR	1963	1982	20	20	20	0.0	8	0.0	48
21007	ETTRICK WATER @ LINDEAN	1963	1982	20	20	20	0.0	8	0.0	49
21008	TEVIOT @ ORMISTON MILL	1963	1982	20	20	20	0.0	8	0.0	50
25004	SKERNE @ SOUTH PARK	1963	1982	20	20	20	0.0	8	0.0	51
34003	BURE @ INGWORTH	1963	1982	20	20	20	0.0	8	0.0	52
45002	EXE @ STOODLEIGH	1963	1982	20	20	20	0.0	8	0.0	53
67009	ALYN @ RHYDDIMYNN	1963	1982	20	20	20	0.0	8	0.0	54
79003	NITH @ HALL BRIDGE	1963	1982	20	20	20	0.0	8	0.0	55
20003	TYNE @ SPILMERSFORD	1963	1982	20	20	20	0.0	7	0.0	56
20005	BIRNS WATER @ SALTOUN HALL	1963	1982	20	20	20	0.0	7	0.0	57
21005	TWEED @ LYNE FORD	1963	1982	20	20	20	0.0	7	0.0	58
23003	NORTH TYNE @ REAVERHILL	1963	1982	20	20	20	0.0	7	0.0	59
24003	WEAR @ STANHOPE	1963	1982	20	20	20	0.0	7	0.0	60
33006	WISSEY @ NORTHMOLD	1963	1982	20	20	20	0.0	7	0.0	61
34004	WENSUM @ COSTESSEY MILL	1963	1982	20	20	20	0.0	7	0.0	62
53006	FROME(BRISTOL) @ FRENCHAY	1963	1982	20	20	20	0.0	7	0.0	63
53007	FROME(SOMERSET) @ TELLISFORD	1963	1982	20	20	20	0.0	7	0.0	64
21012	TEVIOT @ HAWICK	1963	1982	20	20	20	0.0	6	0.0	65
24004	BEDBURN BECK @ BEDBURN	1963	1982	20	20	20	0.0	6	0.0	66
34005	TUD @ COSTESSEY PARK	1963	1982	20	20	20	0.0	6	0.0	67
35003	ALDE @ FARNHAM	1963	1982	20	20	20	0.0	6	0.0	68
45003	CULM @ WOOD MILL	1963	1982	20	20	20	0.0	6	0.0	69
45005	OTTER @ DOTTON	1963	1982	20	20	20	0.0	6	0.0	70
54012	TERN @ WALCOT	1963	1982	20	20	20	0.0	6	0.0	71
55010	WYE @ PANT MAWR	1963	1982	20	20	20	0.0	6	0.0	72
77002	ESK @ CANONBIE	1963	1982	20	20	20	0.0	6	0.0	73
79004	SCAR WATER @ CAPENOCH	1963	1982	20	20	20	0.0	6	0.0	74
81002	CREE @ NEWTON STEWART	1963	1982	20	20	20	0.0	6	0.0	75
25006	GRETA @ RUTHERFORD BRIDGE	1963	1982	20	20	20	0.0	5	0.0	76
30001	WITHAM @ CLAYPOLE MILL	1963	1982	20	20	20	0.0	5	0.0	77
40010	EDEN @ PENSURST	1963	1982	20	20	20	0.0	5	0.0	78
53020	GAUZE BROOK @ RODBOURNE	1963	1982	20	20	20	0.0	5	0.0	79
54014	SEVERN @ ABERMULE	1963	1982	20	20	20	0.0	5	0.0	80
60010	TYWI @ NANTGAREDIG	1963	1982	20	20	20	0.0	5	0.0	81
84012	WHITE CART WATER @ HAWKHEAD	1963	1982	20	20	20	0.0	5	0.0	82
33012	KYM @ MEAGRE FARM	1963	1982	20	20	20	0.0	4	0.0	83
33013	SAPISTON @ RECTORY BRIDGE	1963	1982	20	20	20	0.0	4	0.0	84
39052	THE CUT @ BINFIELD	1963	1982	20	20	20	0.0	4	0.0	85
40007	MEDWAY @ CHAFFORD WEIR	1963	1982	20	20	20	0.0	4	0.0	86
52004	ISLE @ ASHFORD MILL	1963	1982	20	20	20	0.0	4	0.0	87
62001	TEIFI @ GLAN TEIFI	1963	1982	20	20	20	0.0	4	0.0	88
75002	DERWENT @ CAMERTON	1963	1982	20	20	20	0.0	4	0.0	89
76002	EDEN @ WARWICK BRIDGE	1963	1982	20	20	20	0.0	4	0.0	90
22001	COQUET @ MORWICK	1963	1982	20	20	20	0.0	3	0.0	91
33011	LITTLE OUSE @ COUNTY BRIDGE EUSTON	1963	1982	20	20	20	0.0	3	0.0	92
33014	LARK @ TEMPLE	1963	1982	20	20	20	0.0	3	0.0	93
36003	BOX @ POLSTEAD	1963	1982	20	20	20	0.0	3	0.0	94
58001	OGMORE @ BRIDGEND	1963	1982	20	20	20	0.0	3	0.0	95
61002	EASTERN CLEDDAU @ CANASTON BRIDGE	1963	1982	20	20	20	0.0	3	0.0	96

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
30003	BAIN @ FULSBY LOCK	1963	1982	20	20	20	0.0	2	0.0	97
33021	RHEE @ BURN MILL	1963	1982	20	20	20	0.0	2	0.0	98
39016	KENNET @ THEALE	1963	1982	20	20	20	0.0	2	0.0	99
54020	PERRY @ YEATON	1963	1982	20	20	20	0.0	2	0.0	100
60002	COTHI @ FELIN MYNACHDY	1963	1982	20	20	20	0.0	2	0.0	101
61001	WESTERN CLEDDAU @ PRENDERCAST MILL	1963	1982	20	20	20	0.0	2	0.0	102
64001	DYFI @ DYFI BRIDGE	1963	1982	20	20	20	0.0	2	0.0	103
76004	LOWTHER @ EAMONT BRIDGE	1963	1982	20	20	20	0.0	2	0.0	104
19005	ALMOND @ ALMONDELL	1963	1982	20	20	20	0.0	1	0.0	105
33019	THET @ MELFORD BRIDGE	1963	1982	20	20	20	0.0	1	0.0	106
33020	ALCONBURY BROOK @ BRAMPTON	1963	1982	20	20	20	0.0	1	0.0	107
33024	CAM @ DERNFORD	1963	1982	20	20	20	0.0	1	0.0	108
39053	MOLE @ HORLEY	1963	1982	20	20	20	0.0	1	0.0	109
56006	USK @ TRALLONG	1963	1982	20	20	20	0.0	1	0.0	110
57004	CYNON @ ABERCYNON	1963	1982	20	20	20	0.0	1	0.0	111
32010	NENE @ WANSFORD	1962	1981	19	20	20	1.0	24	-1.0	112
84001	KELVIN @ KILLERMONT	1962	1981	19	20	20	1.0	14	-1.0	113
84004	CLYDE @ SILLS	1962	1981	19	20	20	1.0	8	-1.0	114
27009	OUSE @ SKELTON	1962	1981	19	20	20	1.0	7	-1.0	115
28004	TAME @ LEA MARSTON	1962	1981	19	20	20	1.0	7	-1.0	116
79005	CLUDEN WATER @ FIDDLERS FORD	1964	1983	19	20	20	1.0	6	1.0	117
80001	URR @ DALBEATTIE	1964	1983	19	20	20	1.0	6	1.0	118
28009	TRENT @ COLWICK	1962	1981	19	20	20	1.0	5	-1.0	119
39012	HOGSMILL @ KINGSTON UPON THAMES	1962	1981	19	20	20	1.0	5	-1.0	120
46005	EAST DART @ BELLEVER	1964	1983	19	20	20	1.0	5	1.0	121
84014	AVON WATER @ FAIRHOLM	1964	1983	19	20	20	1.0	5	1.0	122
31002	GLEN @ KATES BRIDGE	1962	1981	19	20	20	1.0	4	-1.0	123
27023	DEARNE @ BARNSLEY WEIR	1962	1981	19	20	20	1.0	3	-1.0	124
27026	ROTHER @ WHITTINGTON	1962	1981	19	20	20	1.0	3	-1.0	125
29001	WATHE BECK @ BRIGSLEY	1962	1981	19	20	20	1.0	3	-1.0	126
37003	TER @ CRABBS BRIDGE	1964	1983	19	20	20	1.0	3	1.0	127
37007	WID @ WRITTLE	1964	1983	19	20	20	1.0	3	1.0	128
40011	GREAT STOUR @ HORTON	1964	1983	19	20	20	1.0	3	1.0	129
41005	OUSE @ GOLD BRIDGE	1962	1981	19	20	20	1.0	3	-1.0	130
21032	GLEN @ KIRKNEWTON	1962	1981	19	20	20	1.0	2	-1.0	131
27028	AIRE @ ARMLEY	1962	1981	19	20	20	1.0	2	-1.0	132
36007	BELCHAMP BROOK @ BARDFIELD BRIDGE	1964	1983	19	20	20	1.0	2	1.0	133
39095	QUAGGY @ MANOR HOUSE GARDENS	1962	1981	19	20	20	1.0	1	-1.0	134
45012	CREEDY @ COWLEY	1964	1983	19	20	20	1.0	1	1.0	135
76005	EDEN @ TEMPLE SOWERBY	1964	1983	19	20	20	1.0	1	1.0	136
10001	YTHAN @ ARDLETHEN	1963	1983	19	20	21	0.5	24	0.5	137
39093	BRENT @ MONKS PARK	1963	1983	19	20	21	0.5	23	0.5	138
32004	ISE BROOK @ HARROWDEN OLD MILL	1963	1983	19	20	21	0.5	22	0.5	139
55008	WYE @ CEFN BRWYN	1963	1983	19	20	21	0.5	14	0.5	140
69027	TAME @ PORTWOOD	1963	1983	19	20	21	0.5	11	0.5	141
7002	FINDHORN @ FORRES	1963	1983	19	20	21	0.5	10	0.5	142
49001	CAMEL @ DENBY	1963	1983	19	20	21	0.5	10	0.5	143
34001	YARE @ COLNEY	1963	1983	19	20	21	0.5	9	0.5	144
7001	FINDHORN @ SHENACHIE	1963	1983	19	20	21	0.5	8	0.5	145
78004	KINNEL WATER @ REDHALL	1963	1983	19	20	21	0.5	8	0.5	146
54011	SALWARPE @ HARFORD MILL	1963	1983	19	20	21	0.5	7	0.5	147

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
56001	USK @ CHAIN BRIDGE	1963	1983	19	20	21	0.5	7	0.5	148
72807	WENNING @ HORNBY	1963	1983	19	20	21	0.5	7	0.5	149
47004	LYNHER @ PILLATON MILL	1963	1983	19	20	21	0.5	6	0.5	150
53005	MIDFORD BROOK @ MIDFORD	1963	1983	19	20	21	0.5	6	0.5	151
40009	TEISE @ STONE BRIDGE	1963	1983	19	20	21	0.5	5	0.5	152
67006	ALWEN @ DRUID	1963	1983	19	20	21	0.5	5	0.5	153
22006	BLYTH @ HARTFORD BRIDGE	1963	1983	19	20	21	0.5	4	0.5	154
31005	WELLAND @ TIXOVER	1963	1983	19	20	21	0.5	4	0.5	155
40004	ROTHER @ UDAM	1963	1983	19	20	21	0.5	4	0.5	156
33018	TOVE @ CAPPENHAM BRIDGE	1963	1983	19	20	21	0.5	2	0.5	157
39017	RAY @ GRENDON UNDERWOOD	1963	1983	19	20	21	0.5	1	0.5	158
69001	MERSEY @ IRLAM WEIR	1963	1983	19	20	22	0.0	26	0.0	159
32008	NENE/KISLINGBURY @ DODFORD	1962	1983	19	20	22	0.0	20	0.0	160
28003	TAME @ WATER ORTON	1962	1983	19	20	22	0.0	9	0.0	161
28006	TRENT @ GREAT HAYWOOD	1962	1983	19	20	22	0.0	8	0.0	162
28012	TRENT @ VOXALL	1962	1983	19	20	22	0.0	5	0.0	163
40008	GREAT STOUR @ WYE	1962	1983	19	20	22	0.0	4	0.0	164
28018	DOVE @ MARSTON ON DOVE	1962	1983	19	20	22	0.0	3	0.0	165
28019	TRENT @ DRAKELOW PARK	1962	1983	19	20	22	0.0	2	0.0	166
84013	CLYDE @ DALDOWIE	1963	1984	19	20	22	1.0	4	1.0	167
63002	RHEIDOL @ LLANBADARN FAWR	1964	1982	19	19	19	0.5	0	0.5	168
82001	GIRVAN @ ROBSTONE	1963	1981	19	19	19	0.5	0	-0.5	169
84011	GRYFE @ CRAIGEND	1963	1981	19	19	19	0.5	0	-0.5	170
84019	NORTH CALDER WATER @ CALDERPARK	1963	1981	19	19	19	0.5	0	-0.5	171
85002	ENDRICK WATER @ GAIDREW	1963	1981	19	19	19	0.5	0	-0.5	172
45004	AXE @ WHITFORD	1965	1984	18	20	20	2.0	5	2.0	173
35004	ORE @ BEVERSHAM BRIDGE	1965	1984	18	20	20	2.0	4	2.0	174
41003	CUCKMERE @ SHERMAN BRIDGE	1961	1980	18	20	20	2.0	4	-2.0	175
37016	PANT @ COPFORD HALL	1965	1984	18	20	20	2.0	3	2.0	176
43005	AVON @ AMESBURY	1965	1984	18	20	20	2.0	3	2.0	177
28010	DERWENT @ LONGBRIDGE WEIR	1961	1981	18	20	21	1.5	14	-1.5	178
27007	URE @ WESTWICK LOCK	1961	1981	18	20	21	1.5	8	-1.5	179
27008	SWALE @ LECKBY GRANGE	1961	1981	18	20	21	1.5	7	-1.5	180
18001	ALLAN WATER @ KINBUCK	1961	1981	18	20	21	1.5	6	-1.5	181
24002	GAUNLESS @ BISHOP AUCKLAND	1961	1981	18	20	21	1.5	5	-1.5	182
27006	DON @ HADFIELDS WEIR	1961	1981	18	20	21	1.5	5	-1.5	183
53008	AVON @ GREAT SOMERFORD	1964	1984	18	20	21	1.5	4	1.5	184
27025	ROTHER @ WOODHOUSE MILL	1961	1981	18	20	21	1.5	2	-1.5	185
66011	CONWY @ CWM LLANERCH	1964	1984	18	20	21	1.5	2	1.5	186
54004	SOME @ STONELEIGH	1962	1983	18	20	22	0.0	12	0.0	187
16003	RUCHILL WATER @ CULTYBRAGGAN	1962	1983	18	20	22	0.0	9	0.0	188
52006	YEO @ PEN MILL	1962	1983	18	20	22	0.0	6	0.0	189
54010	STOUR @ ALSCOT PARK	1962	1983	18	20	22	0.0	6	0.0	190
37006	CAN @ BEACH'S MILL	1962	1983	18	20	22	0.0	3	0.0	191
37031	CROUCH @ WICKFORD	1962	1983	18	20	22	0.0	3	0.0	192
76003	EMONT @ UDFORD	1962	1983	18	20	22	0.0	3	0.0	193
23007	DERWENT @ ROWLANDS GILL	1963	1984	18	20	22	1.0	3	1.0	194
28008	DOVE @ ROCSTER WEIR	1962	1984	18	20	23	0.5	11	0.5	195
68004	WISTASTON BROOK @ MARSHFIELD BRIDGE	1962	1984	18	20	23	0.5	7	0.5	196
28011	DERWENT @ MATLOCK BATH	1962	1984	18	20	23	0.5	6	0.5	197
53001	AVON @ MELKSHAM	1961	1984	18	20	24	0.0	26	0.0	198

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
69007	MERSEY @ ASHTON WEIR	1961	1984	18	20	24	0.0	5	0.0	199
8002	SPEY @ KINRARA	1960	1985	18	20	26	0.0	12	0.0	200
33022	IVEL @ BLUNHAM	1965	1983	18	19	19	1.5	1	1.5	201
33027	RHEE @ WIMPOLE	1965	1983	18	19	19	1.5	1	1.5	202
33029	STRINGSIDE @ WHITE BRIDGE	1965	1983	18	19	19	1.5	1	1.5	203
25008	TEES @ BARNARD CASTLE	1964	1981	18	18	18	0.0	0	0.0	204
27030	DEARNE @ ADMICK	1964	1981	18	18	18	0.0	0	0.0	205
28059	MAUN @ MANSFIELD	1964	1981	18	18	18	0.0	0	0.0	206
41006	UCK @ ISFIELD	1964	1981	18	18	18	0.0	0	0.0	207
60003	TAF @ CLOG-Y-FRAN	1964	1981	18	18	18	0.0	0	0.0	208
39021	CHEWELL @ ENSLOW MILL	1965	1982	18	18	18	1.0	0	1.0	209
39022	LODDON @ SHEEPBRIDGE	1965	1982	18	18	18	1.0	0	1.0	210
40018	DARENT @ LULLINGSTONE	1964	1982	18	18	19	0.5	0	0.5	211
20002	WEST PEPPER BURN @ LUFFNESS	1966	1985	17	20	20	3.0	6	3.0	212
21015	LEADER WATER @ EARLSTON	1966	1985	17	20	20	3.0	6	3.0	213
53009	WELLOW BROOK @ WELLOW	1966	1985	17	20	20	3.0	5	3.0	214
34011	WENSUM @ FAKENHAM	1966	1985	17	20	20	3.0	4	3.0	215
35008	GIPPING @ STOWMARKET	1966	1985	17	20	20	3.0	4	3.0	216
27024	SWALE @ RICHMOND	1960	1979	17	20	20	3.0	3	-3.0	217
43006	NADDER @ WILTON PARK	1966	1985	17	20	20	3.0	3	3.0	218
27021	DON @ DONCASTER	1960	1981	17	20	22	2.0	68	-2.0	219
28070	BURBAGE BROOK @ BURBAGE	1960	1981	17	20	22	2.0	37	-2.0	220
27001	NIDD @ HUNSGORE WEIR	1960	1981	17	20	22	2.0	26	-2.0	221
33007	NENE BRAMPTON @ ST ANDREWS	1960	1981	17	20	22	2.0	23	-2.0	222
84006	KELVIN @ BRIDGEND	1962	1984	17	20	23	0.5	12	0.5	223
24005	BROWNEY @ BURN HALL	1962	1984	17	20	23	0.5	12	0.5	224
68006	DANE @ HULME WALFIELD	1962	1984	17	20	23	0.5	12	0.5	225
40003	MEDWAY @ TESTON	1962	1984	17	20	23	0.5	9	0.5	226
54007	ARROW @ BROOM	1962	1984	17	20	23	0.5	9	0.5	227
71001	RIBBLE @ SAMLESBURY	1962	1984	17	20	23	0.5	5	0.5	228
72002	WYRE @ ST MICHAELS	1962	1984	17	20	23	0.5	3	0.5	229
30002	BARLINGS EAU @ LANGWORTH BRIDGE	1960	1982	17	20	23	1.5	3	-1.5	230
69003	IRK @ SCOTLAND WEIR	1961	1984	17	20	24	0.0	8	0.0	231
40005	BEULT @ STILE BRIDGE	1961	1984	17	20	24	0.0	7	0.0	232
28014	SOW @ MILFORD	1961	1984	17	20	24	0.0	5	0.0	233
23006	SOUTH TYNE @ FEATHERSTONE	1966	1984	17	19	19	2.5	2	2.5	234
64002	DYSYNNI @ PONT-Y-GARTH	1966	1984	17	19	19	2.5	2	2.5	235
77001	ESK @ NETHERBY	1961	1981	17	19	21	1.5	2	-1.5	236
66003	ALED @ BRYN ALED	1963	1984	17	19	22	1.0	2	1.0	237
68007	WINCHAM BROOK @ LOSTOCK GRALAM	1963	1984	17	19	22	1.0	2	1.0	238
56004	USK @ LLANDETTY	1966	1983	17	18	18	2.0	1	2.0	239
58002	NEATH @ RESOLVEN	1962	1982	17	18	21	0.5	1	-0.5	240
27033	SEA CUT @ SCARBOROUGH	1965	1981	17	17	17	0.5	0	0.5	241
29003	LUD @ LOUTH	1966	1982	17	17	17	1.5	0	1.5	242
39824	RAVENSBOROUGH EAST @ BROMLEY SOUTH	1963	1979	17	17	17	1.5	0	-1.5	243
55013	ARROW @ TITLEY MILL	1966	1982	17	17	17	1.5	0	1.5	244
55014	LUGG @ BYTON	1966	1982	17	17	17	1.5	0	1.5	245
40012	DARENT @ HAWLEY	1965	1982	17	17	18	1.0	0	1.0	246
38002	ASH @ MARDOCK	1959	1978	16	20	20	4.0	23	-4.0	247
68002	GOMY @ PICTON	1959	1978	16	20	20	4.0	14	-4.0	248
37001	RODING @ REDBRIDGE	1959	1978	16	20	20	4.0	13	-4.0	249

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
38007	CANONS BROOK @ ELIZABETH WAY	1959	1978	16	20	20	4.0	13	-4.0	250
69023	ROCH @ BLACKFORD BRIDGE	1959	1978	16	20	20	4.0	13	-4.0	251
38003	MIMRAM @ PANSHANGER PARK	1959	1978	16	20	20	4.0	10	-4.0	252
38022	PYMES BROOK @ EDMONTON SILVER STREET	1959	1978	16	20	20	4.0	9	-4.0	253
21016	EYE WATER @ EYEMOUTH MILL	1967	1986	16	20	20	4.0	6	4.0	254
78003	ANNAN @ BRYDEKIRK	1967	1986	16	20	20	4.0	6	4.0	255
79006	NITH @ DRUMLANRIG	1967	1986	16	20	20	4.0	6	4.0	256
81003	LUCE @ AIRYHEMING	1967	1986	16	20	20	4.0	6	4.0	257
38004	RIB @ WADES MILL	1959	1978	16	20	20	4.0	4	-4.0	258
34007	DOVE @ OAKLEY PARK	1966	1986	16	20	21	3.5	4	3.5	259
34008	ANT @ HONTING LOCK	1966	1986	16	20	21	3.5	4	3.5	260
40006	BOURNE @ HADLOW	1959	1980	16	20	22	3.0	4	-3.0	261
52010	BRUE @ LOVINGTON	1964	1986	16	20	23	2.5	5	-2.5	262
56002	EBBW @ RHINWDERYN	1960	1983	16	20	24	1.0	7	-1.0	263
49002	HAYLE @ ST ERTH	1960	1985	16	20	26	0.0	8	0.0	264
22004	ALN @ HAWKHILL	1960	1978	16	19	19	3.5	3	-3.5	265
23005	NORTH TYNE @ TARSET	1960	1978	16	19	19	3.5	3	-3.5	266
24006	ROOKHOPE BURN @ EASTGATE	1960	1978	16	19	19	3.5	3	-3.5	267
19003	BREICH WATER @ BREICH WEIR	1961	1978	16	18	18	3.0	2	-3.0	268
36004	CHAD BROOK @ LONG MELFORD	1967	1984	16	18	18	3.0	2	3.0	269
36010	BUMPSTEAD BROOK @ BROAD GREEN	1967	1984	16	18	18	3.0	2	3.0	270
67008	ALYN @ PONT-Y-CAPEL	1966	1984	16	18	19	2.5	2	2.5	271
25003	TROUT BECK @ MOOR HOUSE	1962	1978	16	17	17	2.5	1	-2.5	272
33044	THET @ BRIDGHAM	1967	1983	16	17	17	2.5	1	2.5	273
33045	WITTLE @ QUIDENHAM	1967	1983	16	17	17	2.5	1	2.5	274
33046	THET @ RED BRIDGE	1967	1983	16	17	17	2.5	1	2.5	275
75004	COCKER @ SOUTHWAIT BRIDGE	1967	1983	16	17	17	2.5	1	2.5	276
76007	EDEN @ SHEEPMOUNT	1967	1983	16	17	17	2.5	1	2.5	277
76008	IRTHING @ GREENHOLME	1967	1983	16	17	17	2.5	1	2.5	278
28021	DERWENT @ DRAYCOTT	1965	1980	16	16	16	0.0	0	0.0	279
28017	DEVON @ COTHAM	1966	1981	16	16	16	1.0	0	1.0	280
28032	MEDEN @ CHURCH WAR SOP	1964	1979	16	16	16	1.0	0	-1.0	281
84008	ROTTEN CALDER WATER @ REDLEES	1966	1981	16	16	16	1.0	0	1.0	282
84009	NETHAN @ KIRKMUIRHILL	1966	1981	16	16	16	1.0	0	1.0	283
39025	ENBORNE @ BRIMPTON	1967	1982	16	16	16	2.0	0	2.0	284
39026	CHERWELL @ BANBURY	1967	1982	16	16	16	2.0	0	2.0	285
59002	LOUGHOR @ TIR-Y-DAIL	1967	1982	16	16	16	2.0	0	2.0	286
41028	CHESS STREAM @ CHESS BRIDGE	1965	1981	16	16	17	0.5	0	0.5	287
21031	TILL @ ETAL	1958	1977	15	20	20	5.0	7	-5.0	288
84016	LUGGIE WATER @ CONDORRAT	1968	1987	15	20	20	5.0	5	5.0	289
14001	EDEN @ KENBACK	1967	1987	15	20	21	4.5	6	4.5	290
69002	IRWELL @ ADELPHI WEIR	1957	1978	15	20	22	5.0	25	-5.0	291
52011	CARY @ SOMERTON	1965	1987	15	20	23	3.5	5	3.5	292
54008	TEME @ TENBURY	1960	1984	15	20	25	0.5	9	-0.5	293
52003	HALSE WATER @ BISHOPS HULL	1962	1986	15	20	25	1.5	6	-1.5	294
68018	DANE @ CONGLETON PARK	1948	1984	15	20	37	6.5	14	-6.5	295
34010	WAVENEY @ BILLINGFORD BRIDGE	1968	1986	15	19	19	4.5	4	4.5	296
54017	LEADON @ WEDDERBURN BRIDGE	1961	1984	15	19	24	0.0	4	0.0	297
47005	OTTERY @ MERRINGTON PARK	1961	1986	15	19	26	1.0	4	1.0	298
48003	FAL @ TRECONY	1961	1986	15	19	26	1.0	4	1.0	299
31010	CHATER @ FOSTERS BRIDGE	1968	1985	15	18	18	4.0	3	4.0	300

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
43009	STOUR @ HAMMOON	1968	1985	15	18	18	4.0	3	4.0	301
36009	BRETT @ COCKFIELD	1968	1984	15	17	17	3.5	2	3.5	302
36011	STOUR BROOK @ STURMER	1968	1984	15	17	17	3.5	2	3.5	303
69011	MICKER BROOK @ CHEADLE	1968	1984	15	17	17	3.5	2	3.5	304
75006	NEWLANDS BECK @ BRAITHWAITE	1968	1984	15	17	17	3.5	2	3.5	305
30004	PARTNEY LYNN @ PARTNEY MILL	1962	1983	15	17	22	0.0	2	0.0	306
29004	ANCHOLME @ BISHOPBRIDGE	1968	1983	15	16	16	3.0	1	3.0	307
30005	WITHAM @ SALTERSFORD TOTAL	1968	1983	15	16	16	3.0	1	3.0	308
72006	LUNE @ KIRKBY LONSDALE	1968	1983	15	16	16	3.0	1	3.0	309
73005	KENT @ SEDGWICK	1968	1983	15	16	16	3.0	1	3.0	310
73013	ROTHAY @ MILLER BRIDGE HOUSE	1968	1983	15	16	16	3.0	1	3.0	311
74001	DUDDON @ DUDDON HALL	1968	1983	15	16	16	3.0	1	3.0	312
76009	CALDEW @ HOLM HILL	1968	1983	15	16	16	3.0	1	3.0	313
56005	LYND @ PONTNIR	1966	1983	15	16	18	2.0	1	2.0	314
28026	ANKER @ POLESWORTH	1967	1984	15	16	18	3.0	1	3.0	315
25007	CLOW BECK @ CROFT	1964	1978	15	15	15	1.5	0	-1.5	316
27034	URE @ KILGRAM BRIDGE	1967	1981	15	15	15	1.5	0	1.5	317
27035	AIRE @ KILDWICK BRIDGE	1967	1981	15	15	15	1.5	0	1.5	318
37014	RODING @ HIGH ONGAR	1964	1978	15	15	15	1.5	0	-1.5	319
41011	ROTHER @ IPING MILL	1967	1981	15	15	15	1.5	0	1.5	320
41016	CUCKNERE @ COMBEECH	1967	1981	15	15	15	1.5	0	1.5	321
41806	NORTH END STREAM @ ALLINGTON	1964	1978	15	15	15	1.5	0	-1.5	322
24007	BROWNEY @ LANCHESTER	1968	1982	15	15	15	2.5	0	2.5	323
39028	DUN @ HUNGERFORD	1968	1982	15	15	15	2.5	0	2.5	324
39036	LAW BROOK @ ALBURY	1968	1982	15	15	15	2.5	0	2.5	325
39038	THAME @ SHABBINGTON	1968	1982	15	15	15	2.5	0	2.5	326
57005	TAFF @ PONTYPRIDD	1968	1982	15	15	15	2.5	0	2.5	327
60005	BRAN @ LLANDOVERY	1968	1982	15	15	15	2.5	0	2.5	328
60007	TYWI @ DOLAU HIRION	1968	1982	15	15	15	2.5	0	2.5	329
61003	GWAUN @ CILRHEDYN BRIDGE	1968	1982	15	15	15	2.5	0	2.5	330
60004	DEWI FAWR @ GLASFYRN FORD	1967	1982	15	15	16	2.0	0	2.0	331
55012	IRFON @ CILMERY	1966	1982	15	15	17	1.5	0	1.5	332
27002	WHARFE @ FLINT MILL WEIR	1957	1976	14	20	20	6.0	25	-6.0	333
9003	ISLA @ GRANCE	1959	1988	14	20	20	6.0	6	6.0	334
27004	CALDER @ NEWLANDS	1957	1976	14	20	20	6.0	6	-6.0	335
69006	BOLLIN @ DUNHAM MASSEY	1959	1984	14	20	26	1.0	26	-1.0	336
54006	STOUR @ KIDDERMINSTER	1959	1984	14	20	26	1.0	12	-1.0	337
53013	MARDEN @ STANLEY	1969	1987	14	19	19	5.5	5	5.5	338
84020	GLAZERT WATER @ MILTON OF CAMPSIE	1969	1987	14	19	19	5.5	5	5.5	339
48001	FOWEY @ TREKEIVESTERS	1969	1986	14	18	18	5.0	4	5.0	340
48004	WARBOGAN @ TRENGOFFE	1969	1986	14	18	18	5.0	4	5.0	341
36002	GLEM @ GLEMSFORD	1969	1985	14	17	17	4.5	3	4.5	342
36005	BRETT @ HADLEIGH	1969	1985	14	17	17	4.5	3	4.5	343
37005	COLNE @ LEXDEN	1969	1985	14	17	17	4.5	3	4.5	344
37010	BLACKWATER @ APPLEFORD BRIDGE	1969	1985	14	17	17	4.5	3	4.5	345
37011	CHELMER @ CHURCHEND	1969	1985	14	17	17	4.5	3	4.5	346
37012	COLNE @ POOLSTREET	1969	1985	14	17	17	4.5	3	4.5	347
37017	BLACKWATER @ STISTED	1969	1985	14	17	17	4.5	3	4.5	348
54019	AVON @ STARETON	1962	1984	14	17	23	0.5	3	0.5	349
52009	SHEPPEY @ FENNY CASTLE	1964	1986	14	17	23	2.5	3	2.5	350
23008	REDE @ REDE BRIDGE	1969	1984	14	16	16	4.0	2	4.0	351

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
36006	STOUR @ LANGHAM	1969	1984	14	16	16	4.0	2	4.0	352
36008	STOUR @ WESTMILL	1969	1984	14	16	16	4.0	2	4.0	353
58005	OCMORE @ BRYNMENYN	1969	1984	14	16	16	4.0	2	4.0	354
69020	WEDLOCK @ LONDON ROAD	1969	1984	14	16	16	4.0	2	4.0	355
71004	CALDER @ WHALLEY WEIR	1969	1984	14	16	16	4.0	2	4.0	356
54023	BADSEY BROOK @ OFFENHAM	1968	1984	14	16	17	3.5	2	3.5	357
69013	SINDERLAND BROOK @ PARTINGTON	1968	1984	14	16	17	3.5	2	3.5	358
86001	LITTLE EACHAIG @ DALINLONGART	1968	1985	14	16	18	4.0	2	4.0	359
48005	KENWYN @ TRURO	1968	1986	14	16	19	4.5	2	4.5	360
33023	LEA BROOK @ BECK BRIDGE	1969	1983	14	15	15	3.5	1	3.5	361
33037	BEDFORD OUSE @ NEWPORT PAGNELL	1969	1983	14	15	15	3.5	1	3.5	362
33048	LARLING BROOK @ STONEBRIDGE	1969	1983	14	15	15	3.5	1	3.5	363
33051	CAM @ CHESTERFORD	1969	1983	14	15	15	3.5	1	3.5	364
33018	OCK @ ABINGDON	1962	1976	14	15	15	3.5	1	-3.5	365
33034	LITTLE OUSE @ ABBEY HEATH	1968	1983	14	15	16	3.0	1	3.0	366
69008	DEAN @ STANNEYLANDS	1968	1983	14	15	16	3.0	1	3.0	367
28022	TRENT @ NORTH MUSKHAM	1968	1984	14	15	17	3.5	1	3.5	368
28031	MANIFOLD @ ILAM	1968	1984	14	15	17	3.5	1	3.5	369
28040	TRENT @ STOKE ON TRENT	1968	1984	14	15	17	3.5	1	3.5	370
37013	SANDON BROOK @ SANDON BRIDGE	1969	1985	14	15	17	4.5	1	4.5	371
30011	BAIN @ GOULCEBY BRIDGE	1966	1983	14	15	18	2.0	1	2.0	372
56003	HONDDU @ THE FORGE BRECON	1963	1983	14	15	21	0.5	1	0.5	373
55018	FROME @ YARKHILL	1968	1981	14	14	14	2.0	0	2.0	374
25011	LANGDON BECK @ LANGDON	1969	1982	14	14	14	3.0	0	3.0	375
39027	PANG @ PANGBOURNE	1969	1982	14	14	14	3.0	0	3.0	376
39035	CHURN @ CERNEY WICK	1969	1982	14	14	14	3.0	0	3.0	377
40016	CRAY @ CRAYFORD	1969	1982	14	14	14	3.0	0	3.0	378
54025	DULAS @ RHOS-Y-PENTREF	1969	1982	14	14	14	3.0	0	3.0	379
55023	WYE @ REDBROOK	1969	1982	14	14	14	3.0	0	3.0	380
41012	ADUR E BRANCH @ SAKHAM	1967	1981	14	14	15	1.5	0	1.5	381
84007	SOUTH CALDER WATER @ FORGEWOOD	1966	1981	14	14	16	1.0	0	1.0	382
57010	ELY @ LANELAY	1967	1982	14	14	16	2.0	0	2.0	383
27010	HODGE BECK @ BRANSDALE WEIR	1956	1976	13	20	21	6.5	24	-6.5	384
28005	TAME @ ELFORO	1957	1984	13	20	28	2.0	8	-2.0	385
11001	DON @ PARKHILL	1970	1988	13	19	19	6.5	6	6.5	386
21022	WHITEADDER WATER @ HUTTON CASTLE	1970	1988	13	19	19	6.5	6	6.5	387
17001	CARRON @ HEADSWOOD	1969	1988	13	18	20	6.0	5	6.0	388
35010	GIPPING @ BRAMFORD	1970	1986	13	17	17	5.5	4	5.5	389
47008	THRUSHEL @ TINHAY	1970	1986	13	17	17	5.5	4	5.5	390
23011	KIELDER HURN @ KIELDER	1970	1985	13	16	16	5.0	3	5.0	391
37020	CHELMER @ FELSTED	1970	1985	13	16	16	5.0	3	5.0	392
43014	EAST AVON @ UPAVON	1970	1985	13	16	16	5.0	3	5.0	393
43017	WEST AVON @ UPAVON	1970	1985	13	16	16	5.0	3	5.0	394
54032	SEVERN @ SAXONS LODGE	1970	1984	13	15	15	4.5	2	4.5	395
58007	LLYNFI @ COYTRAHEN	1970	1984	13	15	15	4.5	2	4.5	396
71009	RIBBLE @ JUMBLES ROCK	1970	1984	13	15	15	4.5	2	4.5	397
40017	DUDWELL @ BURWASH	1969	1984	13	15	16	4.0	2	4.0	398
69019	WORSLEY BROOK @ ECCLES	1969	1984	13	15	16	4.0	2	4.0	399
69012	BOLLIN @ WILMSLOW	1968	1984	13	15	17	3.5	2	3.5	400
48006	COBER @ HELSTON	1968	1986	13	15	19	4.5	2	4.5	401
48007	KENALL @ PONSANOOOTH	1968	1986	13	15	19	4.5	2	4.5	402

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
33031	BROUGHTON BROOK @ BROUGHTON	1970	1983	13	14	14	4.0	1	4.0	403
73009	SPRINT @ SPRINT MILL	1970	1983	13	14	14	4.0	1	4.0	404
73011	MINT @ MINT BRIDGE	1970	1983	13	14	14	4.0	1	4.0	405
73014	BRATHAY @ JEFFY KNOTTS	1970	1983	13	14	14	4.0	1	4.0	406
76010	PETTERIL @ HARRABY GREEN	1970	1983	13	14	14	4.0	1	4.0	407
203010	BLACKWATER @ MAYDOWN BRIDGE	1970	1983	13	14	14	4.0	1	4.0	408
203012	BALLINDERRY @ BALLINDERRY BRIDGE	1970	1983	13	14	14	4.0	1	4.0	409
203017	UPPER BANN @ DYNES BRIDGE	1970	1983	13	14	14	4.0	1	4.0	410
203018	SIX MILE WATER @ ANTRIM	1970	1983	13	14	14	4.0	1	4.0	411
73008	BELA @ BEETHAM	1969	1983	13	14	15	3.5	1	3.5	412
28020	CHURNET @ ROCESTER	1969	1984	13	14	16	4.0	1	4.0	413
28043	DERWENT @ CHATSWORTH	1969	1984	13	14	16	4.0	1	4.0	414
28069	TAME @ TAMWORTH	1969	1984	13	14	16	4.0	1	4.0	415
69015	ETHEROW @ COMPTALL	1969	1984	13	14	16	4.0	1	4.0	416
22003	USWAY BURN @ SHILLMOOR	1966	1978	13	13	13	0.5	0	-0.5	417
33030	CLIPSTONE BROOK @ CLIPSTONE	1966	1978	13	13	13	0.5	0	-0.5	418
44003	ASKER @ BRIDPORT	1966	1978	13	13	13	0.5	0	-0.5	419
28038	MANIFOLD @ HULME END	1969	1981	13	13	13	2.5	0	2.5	420
28041	HAMPS @ WATERHOUSES	1969	1981	13	13	13	2.5	0	2.5	421
28045	MEDEN @ BOTHAMSTALL	1969	1981	13	13	13	2.5	0	2.5	422
41020	BEVERN STREAM @ CLAPPERS BRIDGE	1969	1981	13	13	13	2.5	0	2.5	423
84018	CLYDE @ TULLIFORD MILL	1969	1981	13	13	13	3.5	0	3.5	424
39034	EVENLODE @ CASSINGTON MILL	1970	1982	13	13	13	3.5	0	3.5	425
55026	WYE @ DOOL FARM	1970	1982	13	13	13	3.5	0	3.5	426
60012	TWRCH @ DDOL LAS	1970	1982	13	13	13	3.5	0	3.5	427
203011	MAIN @ DROMONA	1970	1982	13	13	13	3.5	0	3.5	428
203013	MAIN @ ANDRAID	1970	1982	13	13	13	3.5	0	3.5	429
70006	TAWD @ NEWBURGH	1965	1978	13	13	14	1.0	0	-1.0	430
71007	RIBBLE @ HODDERFOOT	1965	1978	13	13	14	1.0	0	-1.0	431
57006	RHONDDA @ TREHAFOD	1968	1982	13	13	15	2.5	0	2.5	432
40809	PIPPINGFORD BROOK @ PAYGATE	1967	1982	13	13	16	2.0	0	2.0	433
27031	COLNE @ COLNE BRIDGE	1964	1981	13	13	18	0.0	0	0.0	434
15007	TAY @ PITNACREE	1952	1974	12	20	23	9.5	8	-9.5	435
83802	IRVINE @ KILMARNOCK	1957	1987	12	20	31	0.5	33	-0.5	436
94001	EME @ POOLEWE	1971	1987	12	17	17	6.5	5	6.5	437
85003	FALLOCH @ GLEN FALLOCH	1971	1986	12	16	16	6.0	4	6.0	438
47009	TIDDY @ TIDEFORD	1970	1986	12	16	17	5.5	4	5.5	439
34018	STIFFKEY @ WARHAM ALL SAINTS	1971	1985	12	15	15	5.5	3	5.5	440
40022	GREAT STOUR @ CHART LEACON	1967	1985	12	15	19	3.5	3	3.5	441
52005	STONE @ BISHOPS HULL	1969	1987	12	15	19	5.5	3	5.5	442
54034	DOWLES BROOK @ DOWLES	1971	1984	12	14	14	5.0	2	5.0	443
65004	GWYRFAL @ BONTNEWYDD	1971	1984	12	14	14	5.0	2	5.0	444
76014	EDEN @ KIRKBY STEPHEN	1971	1984	12	14	14	5.0	2	5.0	445
65001	GLASLYN @ BEDGELEERT	1970	1984	12	14	15	4.5	2	4.5	446
25009	TEES @ LOW MOOR	1969	1984	12	14	16	4.0	2	4.0	447
67018	DEE @ NEW INN	1969	1984	12	14	16	4.0	2	4.0	448
71008	HODDER @ HODDER PLACE	1969	1984	12	14	16	4.0	2	4.0	449
71011	RIBBLE @ ARNFORD	1969	1984	12	14	16	4.0	2	4.0	450
56012	GRWYNE @ MILLBROOK	1971	1983	12	13	13	4.5	1	4.5	451
72009	WENNING @ WENNINGTON ROAD BRIDGE	1971	1983	12	13	13	4.5	1	4.5	452
201002	FAIRY WATER @ DUDGEON BRIDGE	1971	1983	12	13	13	4.5	1	4.5	453

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
203021	KELLS WATER @ CURRYS BRIDGE	1971	1983	12	13	13	4.5	1	4.5	454
203025	CALLAN @ CALLAN NEW BRIDGE	1971	1983	12	13	13	4.5	1	4.5	455
72005	LUNE @ KILLINGTON NEW BRIDGE	1969	1983	12	13	15	3.5	1	3.5	456
28023	WYE @ ASHFORD	1970	1984	12	13	15	4.5	1	4.5	457
28046	DOVE @ IZAAK WALTON	1970	1984	12	13	15	4.5	1	4.5	458
69041	TAME @ BROOMSTAIR BRIDGE	1968	1983	12	13	16	3.0	1	3.0	459
74002	IRT @ GALESYKE	1968	1983	12	13	16	3.0	1	3.0	460
41807	BEVERN STREAM @ EAST CHILTINGTON	1967	1978	12	12	12	0.0	0	0.0	461
67013	HIRNANT @ PLAS RHIMEDOG	1967	1978	12	12	12	0.0	0	0.0	462
73803	WINSTER @ LOBBY BRIDGE	1969	1980	12	12	12	2.0	0	2.0	463
27040	DOE LEA @ STAVELEY	1970	1981	12	12	12	3.0	0	3.0	464
31021	WELLAND @ ASHLEY	1970	1981	12	12	12	3.0	0	3.0	465
53019	WOODBIDGE BROOK @ CRAB HILL	1964	1975	12	12	12	3.0	0	-3.0	466
58006	MELITE @ PONTNEDDFECAN	1971	1982	12	12	12	4.0	0	4.0	467
41018	KIRD @ TANYARDS	1969	1981	12	12	13	2.5	0	2.5	468
55025	LLYNFI @ THREE COCKS	1970	1982	12	12	13	3.5	0	3.5	469
37019	BEAM @ BRETONS FARM	1965	1978	12	12	14	1.0	0	-1.0	470
33809	BURY BROOK @ BURY WEIR	1964	1977	12	12	14	2.0	0	-2.0	471
45011	BARLE @ BRUSHFORD	1966	1980	12	12	15	0.5	0	0.5	472
52014	STONE @ GREENHAM	1966	1980	12	12	15	0.5	0	0.5	473
71006	RIBBLE @ HENTHORN	1968	1982	12	12	15	2.5	0	2.5	474
21010	TWEED @ DRYBURGH	1954	1973	11	20	20	9.0	14	-9.0	475
8001	SPEY @ ABERLOUR	1954	1973	11	20	20	9.0	13	-9.0	476
15003	TAY @ CAPUTH	1954	1973	11	20	20	9.0	11	-9.0	477
91802	ALLT LEACHDACH @ INTAKE	1952	1973	11	20	22	10.0	21	-10.0	478
23001	TYNE @ BYWELL	1956	1973	11	18	18	8.0	7	-8.0	479
10002	UGIE @ INVERUGIE	1972	1988	11	17	17	7.5	6	7.5	480
11002	DON @ HAUGHTON	1972	1988	11	17	17	7.5	6	7.5	481
15010	ISLA @ WESTER CARDEAN	1972	1988	11	17	17	7.5	6	7.5	482
18005	ALLAN WATER @ BRIDGE OF ALLAN	1972	1988	11	17	17	7.5	6	7.5	483
20006	BIEL WATER @ BELTON HOUSE	1972	1988	11	17	17	7.5	6	7.5	484
21024	JED WATER @ JEDBURGH	1972	1988	11	17	17	7.5	6	7.5	485
24001	WEAR @ SUNDERLAND BRIDGE	1957	1973	11	17	17	7.5	6	-7.5	486
25010	HAYDALE BECK @ MOWDEN BRIDGE	1957	1973	11	17	17	7.5	6	-7.5	487
52016	CURRYPOOL STREAM @ CURRYPOOL FARM	1972	1987	11	16	16	7.0	5	7.0	488
97002	THURSO @ HALKIRK	1972	1987	11	16	16	7.0	5	7.0	489
53018	AVON @ BATHFORD	1969	1987	11	16	19	5.5	5	5.5	490
23004	SOUTH TYNE @ HAYDON BRIDGE	1959	1973	11	15	15	6.5	4	-6.5	491
25002	TEES @ DENT BANK	1959	1973	11	15	15	6.5	4	-6.5	492
48010	SEATON @ TREBROWNBRIDGE	1972	1986	11	15	15	6.5	4	6.5	493
48011	FOWEY @ RESTORMELL II	1972	1986	11	15	15	6.5	4	6.5	494
49004	GANNEL @ GWILLS	1970	1986	11	15	17	5.5	4	5.5	495
54016	RODEN @ RODINGTON	1961	1984	11	15	24	0.0	4	0.0	496
31023	WEST GLEN @ EASTON WOOD	1972	1985	11	14	14	6.0	3	6.0	497
71005	BOTTOMS BECK @ BOTTOMS BECK FLUME	1960	1973	11	14	14	6.0	3	-6.0	498
51003	WASHFORD @ BEGGEARN HUISH	1966	1987	11	14	22	4.0	3	4.0	499
21006	TWEED @ BOLESIDE	1961	1973	11	13	13	5.5	2	-5.5	500
25018	TEES @ MIDDLETON IN TEESDALE	1972	1984	11	13	13	5.5	2	5.5	501
54028	VYRWY @ LLANYMNECH	1972	1984	11	13	13	5.5	2	5.5	502
58009	EWENNY @ KEEPERS LODGE	1972	1984	11	13	13	5.5	2	5.5	503
65005	ERCH @ PENCAENWYDD	1972	1984	11	13	13	5.5	2	5.5	504

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
71010	PENDLE WATER @ BARDEN LANE	1971	1984	11	13	14	5.0	2	5.0	505
54029	TEME @ KNIGHTSFORD BRIDGE	1970	1984	11	13	15	4.5	2	4.5	506
21011	YARROW WATER @ PHILIPPAUGH	1962	1973	11	12	12	5.0	1	-5.0	507
30014	POINTON LODGE @ POINTON	1972	1983	11	12	12	5.0	1	5.0	508
33039	BEDFORD OUSE @ ROXTON	1972	1983	11	12	12	5.0	1	5.0	509
56013	YSCIR @ PONTARYSCIR	1972	1983	11	12	12	5.0	1	5.0	510
66005	CLAYD @ RUTHIN WEIR	1972	1983	11	12	12	5.0	1	5.0	511
75005	DERWENT @ PORTINSCALE	1972	1983	11	12	12	5.0	1	5.0	512
201005	CAMOWEN @ CAMOWEN TERRACE	1972	1983	11	12	12	5.0	1	5.0	513
201006	DRUMRAGH @ CAMPSIE BRIDGE	1972	1983	11	12	12	5.0	1	5.0	514
205004	LAGAN @ NEWFORGE	1972	1983	11	12	12	5.0	1	5.0	515
205005	RAVERNETH @ RAVENET	1972	1983	11	12	12	5.0	1	5.0	516
206001	CLANRYE @ MOUNT MILL BRIDGE	1972	1983	11	12	12	5.0	1	5.0	517
206002	JERRETSPASS @ JERRETSPASS	1972	1983	11	12	12	5.0	1	5.0	518
203019	CLAUDY @ GLENONE BRIDGE	1971	1983	11	12	13	4.5	1	4.5	519
203020	MOYOLA @ MOYOLA NEW BRIDGE	1971	1983	11	12	13	4.5	1	4.5	520
36015	STOUR @ LAMARSH	1972	1984	11	12	13	5.5	1	5.5	521
205003	LAGAN @ DUNMURRY	1970	1983	11	12	14	4.0	1	4.0	522
28047	OLDCOTES DYKE @ BLYTH	1971	1984	11	12	14	5.0	1	5.0	523
28052	SOW @ GREAT BRIDGFORD	1971	1984	11	12	14	5.0	1	5.0	524
28082	SOAR @ LITTLETHORPE	1971	1984	11	12	14	5.0	1	5.0	525
28049	RYTON @ WORKSOP	1970	1984	11	12	15	4.5	1	4.5	526
63003	WYRE @ LLANRHYSTYD	1968	1978	11	11	11	0.5	0	0.5	527
22002	COQUET @ BYGATE	1969	1979	11	11	11	1.5	0	1.5	528
69018	NEWTON BROOK @ NEWTON LE WILLOWS	1969	1979	11	11	11	1.5	0	1.5	529
75007	GLENDERAMACKIN @ THRELKELD	1969	1979	11	11	11	1.5	0	1.5	530
55021	LUGG @ BUTTS BRIDGE	1970	1980	11	11	11	2.5	0	2.5	531
23013	WEST ALLEN @ HINDLEY WRAE	1971	1981	11	11	11	3.5	0	3.5	532
41026	COCKHAISE BROOK @ HOLYWELL	1971	1981	11	11	11	3.5	0	3.5	533
56011	SIRHOWY @ WATTSVILLE	1971	1981	11	11	11	3.5	0	3.5	534
62002	TEIFI @ LLANFAIR	1971	1981	11	11	11	3.5	0	3.5	535
21013	GALA WATER @ GALASHIELS	1963	1973	11	11	11	4.5	0	-4.5	536
22007	WANSBECK @ MITFORD	1963	1973	11	11	11	4.5	0	-4.5	537
34006	WAVENEY @ NEEDHAM MILL	1963	1973	11	11	11	4.5	0	-4.5	538
39040	THAMES @ WEST MILL CRICKLADE	1972	1982	11	11	11	4.5	0	4.5	539
39044	HART @ BRANSHILL HOUSE	1972	1982	11	11	11	4.5	0	4.5	540
48009	ST NEOT @ CRAIGSHILL WOOD	1972	1982	11	11	11	4.5	0	4.5	541
57008	RHYMNEY @ LLANEDEYRN	1972	1982	11	11	11	4.5	0	4.5	542
58008	DULAIS @ CILFREW	1972	1982	11	11	11	4.5	0	4.5	543
72011	RAWTHEY @ BRIGG FLATTS	1968	1982	11	11	15	2.5	0	2.5	544
67002	DEE @ ERBISTOCK RECTORY	1953	1972	10	20	20	10.0	23	-10.0	545
15001	ISLA @ FORTER	1953	1972	10	20	20	10.0	16	-10.0	546
15002	NEWTON BURN @ NEWTON	1953	1972	10	20	20	10.0	14	-10.0	547
8003	SPEY @ RUTHVEN BRIDGE	1953	1972	10	20	20	10.0	11	-10.0	548
39024	GATWICK STREAM @ GATWICK	1953	1972	10	20	20	10.0	11	-10.0	549
27012	HEDDEN WATER @ HIGH GREENWOOD	1953	1972	10	20	20	10.0	10	-10.0	550
27029	CALDER @ ELLAND	1953	1972	10	20	20	10.0	12	-10.0	551
16001	EARN @ KINKELL BRIDGE	1952	1972	10	20	21	10.5	12	-10.5	552
15004	INZION @ LOCH OF LINRATHEN	1951	1972	10	20	22	11.0	10	-11.0	553
55029	MONNOW @ KENTCHURCH	1949	1972	10	20	24	12.0	11	-12.0	554
69802	ETHEROW @ WOODHEAD	1948	1974	10	20	27	11.5	17	-11.5	555

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
8008	TROMIE @ TROMIE BRIDGE	1958	1988	10	20	31	0.5	16	0.5	556
15006	TAY @ BALLATHIE	1953	1973	10	19	21	9.5	9	-9.5	557
18002	DEVON @ GLENCHIL	1956	1972	10	17	17	8.5	7	-8.5	558
18003	TEITH @ BRIDGE OF TEITH	1956	1972	10	17	17	8.5	7	-8.5	559
12002	DEE @ PARK	1973	1988	10	16	16	8.0	6	8.0	560
20007	GIFFORD WATER @ LENNOXLOVE	1973	1988	10	16	16	8.0	6	8.0	561
21025	ALE WATER @ ANCRUM	1973	1988	10	16	16	8.0	6	8.0	562
59001	TAME @ VYNSTANGLWS	1957	1972	10	16	16	8.0	6	-8.0	563
6007	NESS @ NESS SIDE	1973	1987	10	15	15	7.5	5	-7.5	564
27014	RYE @ LITTLE HABTON	1958	1972	10	15	15	7.5	5	-7.5	565
41007	ARUN @ PARK MOUND	1958	1972	10	15	15	7.5	5	-7.5	566
50001	TAW @ UMBERLEIGH	1958	1972	10	15	15	7.5	5	-7.5	567
53002	SEWINGTON BROOK @ SEMINGTON	1973	1987	10	15	15	7.5	5	7.5	568
53017	BOYD @ BITTON	1973	1987	10	15	15	7.5	5	7.5	569
45009	EXE @ PIXTON	1966	1987	10	15	22	4.0	5	4.0	570
52007	PARRETT @ CHISELBOROUGH	1966	1987	10	15	22	4.0	5	4.0	571
47014	WALKHAM @ HORRABRIDGE	1973	1986	10	14	14	7.0	4	7.0	572
55011	ITHON @ LLANDEWI	1959	1972	10	14	14	7.0	4	-7.0	573
83004	LUGAR @ LANGHOLM	1973	1986	10	14	14	7.0	4	7.0	574
49003	DE LANK @ DE LANK	1969	1986	10	14	18	5.0	4	5.0	575
43007	STOUR @ THROOP MILL	1973	1985	10	13	13	6.5	3	6.5	576
25005	LEVEN @ LEVEN BRIDGE	1959	1972	10	13	14	7.0	3	-7.0	577
48002	FOWEY @ RESTORMEL	1961	1972	10	12	12	6.0	2	-6.0	578
54036	ISBOURNE @ HINTON ON THE GREEN	1973	1984	10	12	12	6.0	2	6.0	579
54038	TANAT @ LLANYBLODWEL	1973	1984	10	12	12	6.0	2	6.0	580
63001	YSTWYTH @ PONT LLOLWYN	1961	1972	10	12	12	6.0	2	-6.0	581
66002	ELWY @ PANT YR ONEN	1961	1972	10	12	12	6.0	2	-6.0	582
71013	DARWEN @ EWOOD BRIDGE	1973	1984	10	12	12	6.0	2	6.0	583
40020	ERIDGE STREAM @ HENDAL BRIDGE	1973	1985	10	12	13	6.5	2	6.5	584
72016	WYRE @ SCORTON WEIR	1967	1984	10	12	18	3.0	2	3.0	585
19006	WATER OF LEITH @ MURRAYFIELD	1962	1972	10	11	11	5.5	1	-5.5	586
19057	ESK @ MUSSELBURGH	1962	1972	10	11	11	5.5	1	-5.5	587
19011	NORTH ESK @ DALKEITH PALACE	1962	1972	10	11	11	5.5	1	-5.5	588
29002	GREAT EAU @ CLAYTHORPE MILL	1973	1983	10	11	11	5.5	1	5.5	589
33015	OUZEL @ WILLEN	1962	1972	10	11	11	5.5	1	-5.5	590
33033	HIZ @ ARLESEY	1973	1983	10	11	11	5.5	1	5.5	591
39005	BEVERLEY BROOK @ WIMBLEDON COMMON	1962	1972	10	11	11	5.5	1	-5.5	592
47007	YEALM @ PUSLINCH	1962	1972	10	11	11	5.5	1	-5.5	593
50002	TORRIDGE @ TORRINGTON	1962	1972	10	11	11	5.5	1	-5.5	594
74006	CALDER @ CALDER HALL	1973	1983	10	11	11	5.5	1	5.5	595
203029	AGIVEY @ WHITE HILL	1973	1983	10	11	11	5.5	1	5.5	596
75009	GRETA @ LOW BRIERY	1971	1983	10	11	13	4.5	1	4.5	597
28024	WREAKE @ SYSTON MILL	1971	1984	10	11	14	5.0	1	5.0	598
28048	AMBER @ WINGFIELD PARK	1970	1984	10	11	15	4.5	1	4.5	599
28033	DOVE @ HOLLINSCLOUGH	1966	1984	10	11	19	2.5	1	2.5	600
54018	REA BROOK @ HOOKGATE	1962	1982	10	11	21	0.5	1	-0.5	601
23012	EAST ALLEN @ WIDE EALS	1971	1980	10	10	10	3.0	0	3.0	602
28055	ECCLESBOURNE @ DUFFIELD	1971	1980	10	10	10	3.0	0	3.0	603
46008	AVON @ LODDISWELL	1971	1980	10	10	10	3.0	0	3.0	604
47011	PLYM @ CARN WOOD	1971	1980	10	10	10	3.0	0	3.0	605
73015	KEER @ HIGH KEER WEIR	1971	1980	10	10	10	3.0	0	3.0	606

Number	Name	j1	j2	nl	m	l	absoff	n2	offset	ipos
27042	DOVE @ KIRKBY MILLS	1972	1981	10	10	10	4.0	0	4.0	607
28060	DOVER BECK @ LOWDHAM	1972	1981	10	10	10	4.0	0	4.0	608
42011	HAMBLE @ FROG MILL	1972	1981	10	10	10	4.0	0	4.0	609
19008	SOUTH ESK @ PRESTONHOLM	1963	1972	10	10	10	5.0	0	-5.0	610
39069	MOLE @ KINNERSLEY MANOR	1973	1982	10	10	10	5.0	0	5.0	611
55029	MONNOW @ GROSOMONT	1973	1982	10	10	10	5.0	0	5.0	612
57003	TAFF @ TONGWYNLAIS	1963	1972	10	10	10	5.0	0	-5.0	613
57007	TAFF @ FIDDLERS ELBOW	1973	1982	10	10	10	5.0	0	5.0	614
60009	SAWDEE @ FELIN-Y-CWM	1973	1982	10	10	10	5.0	0	5.0	615
68015	GOWY @ HUXLEY	1973	1982	10	10	10	5.0	0	5.0	616
55022	TROTHY @ MITCHEL TROY	1970	1982	10	10	13	3.5	0	3.5	617
39004	WANDLE @ BEDDINGTON PARK	1947	1973	9	20	27	12.5	17	-12.5	618
39003	WANDLE @ CONNOLLYS MILL	1946	1972	9	20	27	13.5	18	-13.5	619
39049	SILK STREAM @ COLINDEEP LANE	1932	1982	9	20	51	15.5	14	-15.5	620
54022	SEVERN @ PLYNLIMON FLUME	1951	1972	9	19	22	11.0	10	-11.0	621
33017	BEDFORD OUSE @ ST IVES STAUNCH	1949	1972	9	17	24	12.0	8	-12.0	622
11003	DON @ BRIDGE OF ALFORD	1974	1988	9	15	15	8.5	6	8.5	623
18008	LENY @ ANIE	1974	1988	9	15	15	8.5	6	8.5	624
21026	TIMA WATER @ DEEHOPE	1974	1988	9	15	15	8.5	6	8.5	625
3002	CARRON @ SGODACHAIL	1974	1987	9	14	14	8.0	5	8.0	626
4003	ALNESS @ ALNESS	1974	1987	9	14	14	8.0	5	8.0	627
15013	ALMOND @ ALMONDBANK	1974	1987	9	14	14	8.0	5	8.0	628
45008	OTTER @ FENNY BRIDGES	1974	1987	9	14	14	8.0	5	8.0	629
46006	ERME @ ERMINGTON	1974	1987	9	14	14	8.0	5	8.0	630
84026	ALLANDER WATER @ MILNGAVIE	1974	1987	9	14	14	8.0	5	8.0	631
24008	WEAR @ WITTON PARK	1960	1985	9	12	12	7.0	3	7.0	632
27027	WHARFE @ ILKLEY	1960	1971	9	12	12	7.0	3	-7.0	633
43002	STOUR @ ENSBURY	1960	1972	12	13	13	6.5	3	-6.5	634
66006	ELWY @ PONT-Y-GWYDEL	1974	1984	9	11	11	6.5	2	6.5	635
67014	DEE @ CORWEN	1974	1984	9	11	11	6.5	2	6.5	636
67015	DEE @ MANLEY HALL	1974	1984	9	11	11	6.5	2	6.5	637
71014	DARWEN @ BLUE BRIDGE	1974	1984	9	11	11	6.5	2	6.5	638
77003	LIDDEL WATER @ ROMANBURNFOOT	1974	1984	9	11	11	6.5	2	6.5	639
47010	TAMAR @ CROWFORD BRIDGE	1972	1986	9	11	15	6.5	2	6.5	640
69017	GOYT @ MARPLE BRIDGE	1969	1984	9	11	16	4.0	2	4.0	641
29009	ANCHOLME @ TOFT NEWTON	1974	1983	9	10	10	6.0	1	6.0	642
30012	STAINFIELD BECK @ STAINFIELD	1974	1983	9	10	10	6.0	1	6.0	643
33050	SNAIL @ FORDHAM	1974	1983	9	10	10	6.0	1	6.0	644
64006	LERI @ DOLYBONT	1974	1983	9	10	10	6.0	1	6.0	645
205008	LAGAN @ DRUMMILLER	1974	1983	9	10	10	6.0	1	6.0	646
47006	LYD @ LIFTON PARK	1962	1972	9	10	11	5.5	1	-5.5	647
70003	DOUGLAS @ CENTRAL PARK WIGAN	1973	1983	9	10	11	5.5	1	5.5	648
27015	DERWENT @ STAFFORD BRIDGE	1962	1976	9	10	15	3.5	1	-3.5	649
54026	CHELT @ SLATE MILL	1969	1984	9	10	16	4.0	1	4.0	650
23010	TARGET BURN @ GREENHAUGH	1970	1978	9	9	9	1.5	0	1.5	651
37018	INGREBOURNE @ GAYNES PARK	1970	1978	9	9	9	1.5	0	1.5	652
60013	COTHI @ PONT YNYS BRECHEA	1971	1979	9	9	9	2.5	0	2.5	653
21017	ETTRICK WATER @ BROCKHOPPERIG	1965	1973	9	9	9	3.5	0	-3.5	654
46007	WEST DART @ DUNNABRIDGE	1972	1980	9	9	9	3.5	0	3.5	655
28054	SENCE @ BLABY	1973	1981	9	9	9	4.5	0	4.5	656
41014	ARUN @ PALLINGHAM QUAY	1973	1981	9	9	9	4.5	0	4.5	657

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
41022	LOD @ HALFWAY BRIDGE	1973	1981	9	9	9	4.5	0	4.5	658
41025	LOXWOOD STREAM @ DRUNGEWICK	1973	1981	9	9	9	4.5	0	4.5	659
45006	QUARME @ ENTERWELL	1964	1972	9	9	9	4.5	0	-4.5	660
67003	BRENIG @ LLYN BRENIG OUTFLOW	1964	1972	9	9	9	4.5	0	-4.5	661
67007	DEE @ GLYNDYFRDwy	1964	1972	9	9	9	4.5	0	-4.5	662
41027	ROTHER @ PRINCES MARSH	1972	1981	9	9	10	4.0	0	4.0	663
87801	ALLT UAINNE @ INTAKE	1951	1970	8	20	20	12.0	12	-12.0	664
15809	MUCKLE BURN @ EASTMILL	1949	1972	8	18	24	12.0	10	-12.0	665
15016	TAY @ KENMORE	1975	1988	8	14	14	9.0	6	9.0	666
39011	WEY @ TILFORD	1954	1970	8	14	17	10.5	6	-10.5	667
71003	CROASDALE @ CROASDALE FLUME	1957	1976	8	14	20	6.0	6	-6.0	668
2001	HEMSDALE @ KILPHEDIR	1975	1987	8	13	13	8.5	5	8.5	669
96001	HALLADALE @ HALLADALE	1975	1987	8	13	13	8.5	5	8.5	670
25021	SKERNE @ BRADBURY	1975	1984	8	10	10	7.0	2	7.0	671
54057	SEVERN @ HAW BRIDGE	1975	1984	8	10	10	7.0	2	7.0	672
65006	SEIONT @ PEBLIG MILL	1975	1984	8	10	10	7.0	2	7.0	673
72014	CONDER @ GALGILL	1975	1983	8	9	9	6.5	1	6.5	674
75017	ELLEN @ BULLGILL	1975	1983	8	9	9	6.5	1	6.5	675
203033	UPPER BANN @ BANNFIELD	1975	1983	8	9	9	6.5	1	6.5	676
56015	OLWAY BROOK @ OLWAY INN	1974	1983	8	9	10	6.0	1	6.0	677
74005	EHEN @ BRAYSTONES	1974	1983	8	9	10	6.0	1	6.0	678
203026	GLENNAVY @ GLENNAVY	1973	1983	8	9	11	5.5	1	5.5	679
28039	REA @ CALTHORPE PARK	1974	1984	8	9	11	6.5	1	6.5	680
28067	DERWENT @ CHURCH WILNE	1974	1984	8	9	11	6.5	1	6.5	681
28056	ROTHLEY BROOK @ ROTHLEY	1973	1984	8	9	12	6.0	1	6.0	682
26007	CATCHWATER @ WITHERNICK	1969	1976	8	8	8	0.0	0	0.0	683
38020	COBBINS BROOK @ SEWARDSTONE ROAD	1971	1978	8	8	8	2.0	0	2.0	684
38021	TURKEY BROOK @ ALBANY PARK	1971	1978	8	8	8	2.0	0	2.0	685
75010	MARRON @ ULLOCK	1972	1979	8	8	8	3.0	0	3.0	686
50006	MOLE @ WOODLEIGH	1965	1972	8	8	8	4.0	0	-4.0	687
50007	TAW @ TAW BRIDGE	1973	1980	8	8	8	4.0	0	4.0	688
50810	LITTLE DART @ DART BRIDGE	1973	1980	8	8	8	4.0	0	4.0	689
68010	FENDER @ FORD	1973	1980	8	8	8	4.0	0	4.0	690
81005	IRVINE @ SHEWALTON	1973	1980	8	8	8	4.0	0	4.0	691
27049	RYE @ NESS	1974	1981	8	8	8	5.0	0	5.0	692
28058	HENMORE BROOK @ ASHBOURNE	1974	1981	8	8	8	5.0	0	5.0	693
39055	YEADING BK WEST @ YEADING WEST	1974	1981	8	8	8	5.0	0	5.0	694
39057	CRANE @ CRANFORD PARK	1974	1981	8	8	8	5.0	0	5.0	695
84023	BOTHLIN BURN @ AUCHENGEICH	1974	1981	8	8	8	5.0	0	5.0	696
84025	LUGGLE WATER @ OXGANG	1974	1981	8	8	8	5.0	0	5.0	697
39029	TILLINGBOURNE @ SHALFORD	1975	1982	8	8	8	6.0	0	6.0	698
39086	GATWICK STREAM @ GATWICK LINK	1975	1982	8	8	8	6.0	0	6.0	699
57009	ELY @ ST FAGANS	1975	1982	8	8	8	6.0	0	6.0	700
66004	WHEELER @ BODFARI	1975	1982	8	8	8	6.0	0	6.0	701
28066	COLE @ COLESHILL	1975	1981	8	8	9	4.5	0	4.5	702
27048	DERWENT @ WEST AYTON	1972	1981	8	8	10	4.0	0	4.0	703
24801	BURNHOPE BURN @ BURNHOPE RESERVOIR	1950	1969	7	20	20	13.0	13	-13.0	704
23015	NORTH TYNE @ BARRASFORD	1947	1969	7	17	23	14.5	10	-14.5	705
12003	DEE @ POLHOLLICK	1976	1988	7	13	13	9.5	6	9.5	706
15808	ALMOND @ ALMOND INTAKE	1961	1969	7	9	9	7.5	2	-7.5	707
25020	SKERNE @ PRESTON LE SKERNE	1976	1984	7	9	9	7.5	2	7.5	708

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
65007	DWYFAWR @ GARDOLBENNAEN	1976	1984	7	9	9	7.5	2	7.5	709
67025	CLYWEDOG @ BOWLING BANK	1976	1984	7	9	9	7.5	2	7.5	710
69040	IRWELL @ STUBBINS	1974	1984	7	9	11	6.5	2	6.5	711
70004	YARROW @ CROSTON MILL	1973	1984	7	9	12	6.0	2	6.0	712
73055	GRANTA @ BABRAHAM	1976	1983	7	8	8	7.0	1	7.0	713
42001	WALLINGTON @ NORTH FAREHAM	1976	1983	7	8	8	7.0	1	7.0	714
42014	BLACKWATER @ OWER	1976	1983	7	8	8	7.0	1	7.0	715
56019	EBBW @ ABERBEEG	1976	1983	7	8	8	7.0	1	7.0	716
77005	LYNE @ CLIFF BRIDGE	1976	1983	7	8	8	7.0	1	7.0	717
201008	DERG @ CASTLEDERG	1976	1983	7	8	8	7.0	1	7.0	718
201007	BURN DENNET @ BURNDENNET BRIDGE	1975	1983	7	8	9	6.5	1	6.5	719
69035	IRWELL @ BURY BRIDGE	1976	1984	7	8	9	7.5	1	7.5	720
204001	BUSH @ SENEIRL	1972	1983	7	8	12	5.0	1	5.0	721
72001	LUNE @ HALTON	1969	1975	7	7	7	0.5	0	-0.5	722
21020	YARROW WATER @ GORDON ARMS	1967	1973	7	7	7	2.5	0	-2.5	723
20004	EAST PEPPER BURN @ LOCHHOUSES	1966	1972	7	7	7	3.5	0	-3.5	724
37008	CHELMER @ SPRINGFIELD	1966	1972	7	7	7	3.5	0	-3.5	725
27053	NIDD @ BIRSTWITH	1975	1981	7	7	7	5.5	0	5.5	726
28061	CHURNET @ BASFORD BRIDGE	1975	1981	7	7	7	5.5	0	5.5	727
39056	RAVENSBOURNE @ CATFORD HILL	1975	1981	7	7	7	5.5	0	5.5	728
39058	POOL @ WINSFORD ROAD	1975	1981	7	7	7	5.5	0	5.5	729
68011	ARLEY BROOK @ GORE FARM	1975	1981	7	7	7	5.5	0	5.5	730
39090	COLE @ INGOLESHAM	1976	1982	7	7	7	6.5	0	6.5	731
27043	WHARFE @ ADDINGHAM	1973	1980	7	7	8	4.0	0	4.0	732
21029	TWEED @ GLENBRECK	1964	1973	7	7	10	4.0	0	-4.0	733
58011	THAW @ GIGMAN BRIDGE	1973	1982	7	7	10	5.0	0	5.0	734
55001	WYE @ CADORA	1949	1968	6	20	20	14.0	26	-14.0	735
73001	LEVEN @ NEWBY BRIDGE	1949	1968	6	20	20	14.0	24	-14.0	736
53003	AVON @ BATH ST JAMES	1949	1968	6	20	20	14.0	23	-14.0	737
28804	TRENT @ TRENT BRIDGE	1946	1968	6	20	23	15.5	76	-15.5	738
35014	BUCKLESHAM MILL @ NEWBOURN	1948	1968	6	17	21	14.5	11	-14.5	739
28007	TRENT @ SHARDLOW	1955	1968	6	14	14	11.0	8	-11.0	740
39092	DOLLIS' BK @ HENDON LANE BRIDGE	1952	1968	6	13	17	12.5	7	-12.5	741
53023	SHERSTON AVON @ FOSSEWAY	1976	1987	6	11	12	9.0	5	9.0	742
39813	MOLE @ IFIELD WEIR	1959	1968	6	10	10	9.0	4	-9.0	743
52017	CONGRESBURY YEO @ TWOOD	1973	1987	6	10	15	7.5	4	7.5	744
71803	HODDER @ HIGHER HODDER BRIDGE	1960	1968	6	9	9	8.5	3	-8.5	745
83002	CARNOCK @ DALRY	1960	1968	6	9	9	8.5	3	-8.5	746
24009	WEAR @ CHESTER LE STREET	1977	1984	6	8	8	8.0	2	8.0	747
28015	IDLE @ MATTERSEY	1961	1968	6	8	8	8.0	2	-8.0	748
39834	BRENT @ HANWELL	1961	1968	6	8	8	8.0	2	-8.0	749
58003	EWENNY @ EWENNY PRIORY	1961	1968	6	8	8	8.0	2	-8.0	750
69034	MUSBURY BROOK @ HELMESHORE	1961	1968	6	8	8	8.0	2	-8.0	751
51002	HORNER WATER @ WEST LUCCOMBE	1973	1987	6	8	15	7.5	2	7.5	752
28016	RYTON @ SERLBY PARK	1962	1968	6	7	7	7.5	1	-7.5	753
33057	OUZEL @ LEIGHTON BUZZARD	1977	1983	6	7	7	7.5	1	7.5	754
39830	BECK @ RECTORY ROAD	1962	1968	6	7	7	7.5	1	-7.5	755
39831	CHAFFINCH BROOK @ BECKENHAM	1962	1968	6	7	7	7.5	1	-7.5	756
72004	LUNE @ CATON	1977	1983	6	7	7	7.5	1	7.5	757
80801	PULLAUGH BURN @ DIVERSION WORKS	1962	1968	6	7	7	7.5	1	-7.5	758
28053	PENK @ PENKRIDGE	1976	1984	6	7	9	7.5	1	7.5	759

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
70005	LOSTOCK @ LITTLEWOOD BRIDGE	1974	1983	6	7	10	6.0	1	6.0	760
52015	LAND YEO @ WRAXALL BRIDGE	1971	1986	6	7	16	6.0	1	6.0	761
21019	MANOR WATER @ CADEMUIR	1968	1973	6	6	6	2.0	0	-2.0	762
41801	HOLLINGTON STREAM @ HOLLINGTON	1968	1973	6	6	6	2.0	0	-2.0	763
31006	GWASH @ BELMESTHORPE	1967	1972	6	6	6	3.0	0	-3.0	764
50005	WEST OKEMENT @ VELLAKE	1967	1972	6	6	6	3.0	0	-3.0	765
57803	CLUN @ CROSS INN	1967	1972	6	6	6	3.0	0	-3.0	766
65002	DWYRD @ MAENTWROG	1967	1972	6	6	6	3.0	0	-3.0	767
39096	WEALDSTONE BROOK @ WEMBLEY	1976	1981	6	6	6	6.0	0	6.0	768
73002	CRANE @ LOW NINTHWAITE	1963	1968	6	6	6	7.0	0	-7.0	769
52020	GALLICA STREAM @ GALLICA BRIDGE	1966	1976	6	6	11	1.5	0	-1.5	770
3003	OYKEL @ EASTER TURNAIG	1978	1987	5	10	10	10.0	5	10.0	771
89804	STRAE @ DUILETTER	1978	1987	5	10	10	10.0	5	10.0	772
96002	NAVER @ APIGILL	1978	1987	5	10	10	10.0	5	10.0	773
31025	GWASH SOUTH ARM @ MANTON	1978	1985	5	8	8	9.0	3	9.0	774
31026	EGLETON BROOK @ EGLETON	1978	1985	5	8	8	9.0	3	9.0	775
27022	DON @ ROTHERHAM WEIR	1960	1968	5	8	9	8.5	3	-8.5	776
30017	WITHAM @ COLSTERWORTH	1978	1983	5	6	6	8.0	1	8.0	777
33058	OUZEL @ BLETCHLEY	1978	1983	5	6	6	8.0	1	8.0	778
58004	AFAN @ CWMAYON	1962	1969	5	6	8	7.0	1	-7.0	779
21030	MEGET WATER @ HENDERLAND	1969	1973	5	5	5	1.5	0	-1.5	780
21034	YARROW WATER @ CRAIG DOUGLAS	1969	1973	5	5	5	1.5	0	-1.5	781
22008	ALWIN @ CLENNELL	1969	1973	5	5	5	1.5	0	-1.5	782
25012	HARWOOD BECK @ HARWOOD	1969	1973	5	5	5	1.5	0	-1.5	783
19010	BRAID BURN @ LIBERTON	1968	1972	5	5	5	2.5	0	-2.5	784
41021	CLAYHILL STREAM @ OLD SHIP	1973	1977	5	5	5	2.5	0	2.5	785
54065	RODEN @ STANTON	1973	1977	5	5	5	2.5	0	2.5	786
55016	ITHON @ DISSERTH	1968	1972	5	5	5	2.5	0	-2.5	787
55017	CHWEFRU @ CARREG-Y-WEN	1968	1972	5	5	5	2.5	0	-2.5	788
60006	GWILI @ GLANGWILI	1968	1972	5	5	5	2.5	0	-2.5	789
84017	BLACK CART WATER @ MILLIKEN PARK	1968	1972	5	5	5	2.5	0	-2.5	790
38026	PINCEY BROOK @ SHEERING HALL	1974	1978	5	5	5	3.5	0	3.5	791
58010	HEPSTE @ ESGAIR CARNAU	1975	1979	5	5	5	4.5	0	4.5	792
27041	DERWENT @ BUTTERCRAMBE	1977	1981	5	5	5	6.5	0	6.5	793
27054	HODGE BECK @ CHERRY FARM	1977	1981	5	5	5	6.5	0	6.5	794
27055	RYE @ BROADWAY FOOT	1977	1981	5	5	5	6.5	0	6.5	795
27058	RICCAL @ CROOK HOUSE FARM	1977	1981	5	5	5	6.5	0	6.5	796
27059	LAVER @ RIPON	1977	1981	5	5	5	6.5	0	6.5	797
66001	CWYD @ PONT-Y-CAMBWLL	1964	1968	5	5	5	6.5	0	6.5	798
73005	KENT @ KENDAL (NETHER BRIDGE)	1964	1968	5	5	5	6.5	0	-6.5	799
83006	AYR @ MAINHOIM	1976	1981	5	5	6	6.0	0	6.0	800
72804	LUNE @ BROADRAINE	1963	1968	5	5	6	7.0	0	-7.0	801
55005	WYE @ RHAYADER	1945	1968	4	20	24	16.0	23	-16.0	802
78005	KINNEL WATER @ BRIDGEMUIR	1979	1988	4	10	10	11.0	6	11.0	803
21002	WHITEADDER WATER @ HUNGRY SNOOT	1958	1966	4	9	9	10.5	5	-10.5	804
93001	CARRON @ NEW KELSO	1979	1987	4	9	9	10.5	5	10.5	805
54088	LITTLE AVON @ BERKELEY KENNELS	1978	1987	4	8	10	10.0	4	10.0	806
17002	LEVEN @ LEVEN	1969	1972	4	4	4	2.0	0	-2.0	807
27036	DERWENT @ MALTON	1969	1972	4	4	4	2.0	0	-2.0	808
37009	BRAIN @ GUITHAVON VALLEY	1969	1972	4	4	4	2.0	0	-2.0	809
45801	BACK BROOK @ HAWKERLAND	1969	1972	4	4	4	2.0	0	-2.0	810

Number	Name	j1	j2	n1	m	l	absoff	n2	offset	ipos
64005	UNION @ DOUGELLAU	1969	1972	4	4	4	2.0	0	-2.0	811
72013	BORROWBECK @ BORROW BRIDGE WEIR	1976	1979	4	4	4	5.0	0	5.0	812
39023	WYE @ HEDSOR	1968	1968	4	4	4	6.0	0	-6.0	813
27052	WHITTING @ SHEEPBRIDGE	1978	1981	4	4	4	7.0	0	7.0	814
39081	OCK @ ABINGDON	1979	1982	4	4	4	8.0	0	8.0	815
57015	TAFF @ MERTHYR TYDFIL	1979	1982	4	4	4	8.0	0	8.0	816
27835	CALDER @ MIDLAND BRIDGE DEWSBURY	1966	1970	4	4	5	4.5	0	-4.5	817
84002	CALDER @ MUIRSHIEL	1967	1972	4	4	6	3.0	0	-3.0	818
53025	MELLS @ VALLIS	1980	1987	3	8	8	11.0	5	11.0	819
91002	LOCHY @ CAMISKY	1980	1987	3	8	8	11.0	5	11.0	820
82003	STINCHAR @ BALNOLWART	1980	1986	3	7	7	10.5	4	10.5	821
6008	ENRICK @ MILL OF TORE	1980	1987	3	7	8	11.0	4	11.0	822
69025	IRWELL @ MANCHESTER RACECOURSE	1980	1984	3	5	5	9.5	2	9.5	823
68020	GOMY @ BRIDGE TRAFFORD	1979	1984	3	5	6	9.0	2	9.0	824
39827	POOL @ SELWORTHY ROAD	1961	1968	3	5	8	8.0	2	-8.0	825
33063	LITTLE OUSE @ KNETTISHALL	1980	1983	3	4	4	9.0	1	9.0	826
205011	ANNACLOY @ KILMORE	1980	1983	3	4	4	9.0	1	9.0	827
46801	ERME @ ERME INTAKE	1970	1972	3	3	3	1.5	0	-1.5	828
27051	CRIMPLE @ BURN BRIDGE	1978	1980	3	3	3	6.5	0	6.5	829
27846	AIRE @ ASH BRIDGE	1965	1967	3	3	3	6.5	0	-6.5	830
68014	SANDERSONS BROOK @ SANDBACH	1965	1967	3	3	3	6.5	0	-6.5	831
27061	COLNE @ LONGROYD BRIDGE	1979	1981	3	3	3	7.5	0	7.5	832
32029	FLORE @ EXPERIMENTAL CATCHMENT	1965	1968	3	3	4	6.0	0	-6.0	833
95801	LITTLE GRUINARD @ LITTLE GRUINARD	1963	1966	3	3	4	8.0	0	-8.0	834
23002	DERWENT @ EDDYS BRIDGE	1955	1964	2	10	10	13.0	8	-13.0	835
80003	WHITE LAGGAN BURN @ LOCH DEE	1981	1988	2	8	8	12.0	6	12.0	836
54013	CLYWEDOG @ CRIBYNAU	1959	1964	2	6	6	11.0	4	-11.0	837
72015	LUNE @ LUNES BRIDGE	1981	1983	2	3	3	9.5	1	9.5	838
76011	COAL BURN @ COALBURN	1967	1968	2	2	2	5.0	0	-5.0	839
71802	RIBBLE @ HALTON WEST	1966	1968	2	2	3	5.5	0	-5.5	840
95803	ABHAIN CUILEG @ BRAEMORE	1963	1966	2	2	4	8.0	0	-8.0	841
84806	CLYDE @ CAMBUSNETHAN	1955	1963	1	9	9	13.5	8	-13.5	842
46806	AVON @ AVON INTAKE	1939	1955	0	16	17	25.5	16	-25.5	843
21001	FRUID WATER @ FRUID	1947	1961	0	15	15	18.5	15	-18.5	844
28002	BLITHE @ HAMSTALL RIDMARE	1937	1951	0	15	15	28.5	15	-28.5	845
6003	MORISTON @ INVERMORISTON	1930	1943	0	13	14	36.0	13	-36.0	846
5001	BEAULY @ ERCHLESS	1952	1961	0	10	10	16.0	10	-16.0	847
4001	CONON @ MOY BRIDGE	1947	1955	0	9	9	21.5	9	-21.5	848
3801	CASSLEY @ DUCHALLY	1950	1958	0	8	9	18.5	8	-18.5	849
3803	TIRRY @ RHIAN BRIDGE	1950	1956	0	7	7	19.5	7	-19.5	850
66801	UPPERCONWAY @ BLAEN Y COED	1951	1956	0	6	6	19.0	6	-19.0	851
3001	SHUN @ LAIRG	1951	1956	0	6	6	20.0	6	-20.0	852
25808	BURNT WEIR @ MOOR HOUSE	1954	1958	0	5	5	16.5	5	-16.5	853
25809	BOG WEIR @ MOOR HOUSE	1954	1958	0	5	5	16.5	5	-16.5	854
67019	TRYWERNY @ WEIR X	1960	1962	0	3	3	11.5	3	-11.5	855
25810	SYKE WEIR @ MOOR HOUSE	1956	1958	0	3	3	15.5	3	-15.5	856
90801	NEVIS @ ACHREOCH	1957	1960	0	2	4	14.0	2	-14.0	857

Appendix 2 Standardized CVRI values

Table A2.1 presents the principal statistics derived from the standardization procedure and adjusted CVRI values. An explanation of these variables is given below.

<i>qthresh</i>	Threshold used to give an average of four peaks a year over the standard period. Where data for this period are unavailable or incomplete, and the next 'best' period has been used, the threshold gives an <i>equivalent</i> number of peaks a year to that which would have been obtained by using the standard period. For catchments where there were insufficient peaks to standardize by an average of four peaks a year, the abstraction threshold is shown.
<i>np</i>	Number of peaks above <i>qthresh</i> in the standard or best period
<i>pkinsp</i>	Equivalent number of peaks to that which would have been obtained by using the standard period. Since the standardization has sought an average of four peaks per year over a 20-year period commencing with the 1963 water year, the desired value of <i>pkinsp</i> is 80. Minor variations from 80 arise because a whole number of events in the best period does not correspond precisely to 80 peaks in the standard period. Major variations from 80 occur where there were insufficient peaks abstracted. For these cases - denoted by an asterisk - the CVRI values are, therefore, not fully standardized.
<i>CVRI</i>	Coefficient of variation of recurrence intervals, calculated over the standard or best period.
<i>ipos</i>	Index position of the catchment in the hierarchy

Table A2.1 Standardized CVRI values - catchments in station number order

Number	Name	qthresh	np	pknsnp	CVRI	ipos
2001	HELMSDALE @ KILPHEDIR	102.317	63	80.615	1.285	669
3001	SHIN @ LAIRG	34.817	21	80.964	1.236	852
3002	CARRON @ SCODACHAIL	106.000	64	75.830	1.330	626
3003	OYKEL @ EASTER TURNAIG	210.000	34	51.284	1.249	771
3801	CASSLEY @ DUCHALLY	53.229	28	79.027	1.518	849
3803	TIRRY @ RHIAN BRIDGE	35.001	24	81.090	1.549	850
4001	CONON @ MOY BRIDGE	259.514	29	80.759	1.567	848
4003	ALNESS @ ALNESS	32.350	68	80.570	1.238	627
5001	BEAULY @ ERCHLESS	200.276	37	80.404	1.265	847
6003	MORLISTON @ INVERMORISTON	199.189	40	80.000	1.236	846
6007	NESS @ NESS SIDE	213.361	71	79.839	1.119	564
6008	ENRICK @ MILL OF TORE	18.494	38	79.448	1.418	822
7001	FINDHORN @ SHENACHIE	127.075	77	79.852	1.289	145
7002	FINDHORN @ FORRES	160.108	77	79.852	1.183	142
7003	LOSSIE @ SHERIFFMILLS	18.500	69	69.000	1.200	34
8001	SPEY @ ABERLOUR	263.287	72	80.372	1.401	476
8002	SPEY @ KINRARA	81.665	76	80.281	1.158	200
8003	SPEY @ RUTHVEN BRIDGE	66.533	70	79.478	1.291	548
8004	AVON @ DELNASHAUGH	115.200	62	62.000	1.152	17
8005	SPEY @ BOAT OF GARTEN	101.290	80	80.000	1.248	16
8006	SPEY @ BOAT O BRIG	285.000	61	61.000	1.137	18
8007	SPEY @ INVERTTRUIM	47.838	80	80.000	1.302	19
8008	TRONIE @ TROMIE BRIDGE	26.172	73	79.564	1.455	556
8009	DULNAIN @ BALNAAN BRIDGE	54.847	80	80.000	1.341	20
8010	SPEY @ GRANTOWN	147.482	80	80.000	1.331	21
9001	DEVERON @ AVOCHIE	68.000	61	61.000	1.004	42
9002	DEVERON @ MUIRESK	121.000	66	66.000	1.322	43
9003	ISLA @ GRANGE	24.000	69	65.094	1.540	334
10001	YTHAN @ ARDLETHEN	26.829	78	79.919	1.424	137
10002	UGIE @ INVERUGIE	23.439	77	80.448	1.405	480
11001	DON @ PARKHILL	71.520	81	79.607	1.557	386
11002	DON @ HAUGHTON	59.738	77	80.332	1.201	481
12003	DON @ BRIDGE OF ALFORD	46.210	73	80.037	1.091	623
12001	DEE @ WOODEND	195.000	75	75.000	1.580	2
12002	DEE @ PARK	246.431	76	80.117	1.420	560
12003	DEE @ POLHOLLICK	148.267	66	79.610	1.193	706
14001	EDEN @ KEMBACK	19.816	80	79.834	1.641	290
15001	ISLA @ FORTER	26.328	70	79.481	1.402	546
15002	NEWTON BURN @ NEWTON	4.459	70	79.464	1.444	547
15003	TAY @ CAPUTH	555.197	72	80.262	1.604	477
15004	INZION @ LOCH OF LINTRATHEN	3.289	73	79.477	1.544	553
15006	TAY @ BALLATHIE	687.232	62	80.612	1.579	557
15007	TAY @ PITNACREE	232.058	73	80.303	1.625	435
15008	DEAN WATER @ COOKSTON	15.037	80	80.000	1.439	22
15010	ISLA @ WESTER CARDEAN	54.377	77	80.272	1.525	482

Number	Name	qthresh	np	pksinsp	CVRI	ipos
15013	ALMOND @ ALMONDBANK	55.482	68	80.570	1.317	628
15016	TAY @ KENROE	103.596	68	80.143	1.208	666
15808	ALMOND @ ALMOND INTAKE	8.400	35	80.263	1.123	707
15809	MUCKLE BURN @ EASTMILL	4.528	66	79.453	1.688	665
16001	EARN @ KINKELL BRIDGE	146.504	66	79.504	1.415	552
16003	RUCHILL WATER @ CULTYBRAGGAN	87.836	75	79.759	1.144	188
17001	CARON @ HEADSWOOD	47.533	73	80.200	1.532	388
17002	LEVEN @ LEVEN	19.000	11	74.623	1.992	807
18001	ALLAN WATER @ KINBUCK	49.900	67	69.983	1.173	181
18002	DEVON @ GLENOCHIL	26.923	62	79.976	1.385	558
18003	TEITH @ BRIDGE OF TEITH	122.071	62	79.976	1.525	559
18005	ALLAN WATER @ BRIDGE OF ALLAN	63.442	77	80.217	1.272	483
18008	LENY @ ANIE	50.388	73	79.965	1.368	624
19001	ALMOND @ CRAIGIEHALL	56.500	80	80.000	1.146	30
19002	ALMOND @ ALMOND WEIR	8.900	75	75.000	1.236	47
19003	BREICH WATER @ BREICH WEIR	11.816	64	79.673	1.818	268
19004	NORTH ESK @ DALMORE WEIR	10.726	80	80.000	1.516	48
19005	ALMOND @ ALMONDELL	43.000	80	80.000	1.180	105
19006	WATER OF LEITH @ MURRAYFIELD	14.800	39	79.547	1.186	586
19007	ESK @ MUSSELBURGH	34.624	39	79.547	1.740	587
19008	SOUTH ESK @ PRESTONHOLM	10.016	37	79.243	1.836	610
19010	BRAID BURN @ LIBERTON	0.460	16	77.176	1.179	784
19011	NORTH ESK @ DALKEITH PALACE	19.091	39	79.547	1.358	588
20001	TYNE @ EAST LINTON	24.443	80	80.000	1.534	37
20002	WEST PEFFER BURN @ LUFFNESS	1.263	81	80.230	1.660	212
20003	TYNE @ SPILMERSFORD	14.000	53	53.000	1.560	56
20004	EAST PEFFER BURN @ LOCHHOUSES	1.750	18	55.359	1.268	724
20005	BIRNS WATER @ SALTOUN HALL	9.800	67	67.000	1.400	57
20006	BIEL WATER @ BELTON HOUSE	4.570	77	80.125	1.704	484
20007	GIFFORD WATER @ LENNOXLOVE	5.583	76	80.075	1.435	561
21001	FRUID WATER @ FRUID	11.840	51	79.269	1.178	844
21002	WHITEADDER WATER @ HUNGRY SNOUT	12.366	34	79.869	0.947	804
21003	TWEED @ PEEBLES	100.000	65	65.000	1.443	14
21005	TWEED @ LYNE FORD	64.400	72	72.000	1.405	58
21006	TWEED @ BOLESIDE	249.259	46	79.575	1.402	500
21007	ETTRICK WATER @ LINDEAN	123.960	80	80.000	1.259	49
21008	TEVIOT @ ORWISTON MILL	179.455	80	80.000	1.337	50
21009	TWEED @ NORHAM	449.000	71	71.000	1.374	44
21010	TWEED @ DRYBURGH	310.158	72	80.419	1.312	475
21011	YARROW WATER @ PHILIPHAUGH	38.510	43	80.836	1.375	507
21012	TEVIOT @ HAWICK	104.040	80	80.000	1.287	65
21013	GALA WATER @ GALASHIELS	27.000	36	70.898	2.118	536
21015	LEADER WATER @ EARLSTON	30.000	80	79.235	1.410	213
21016	EYE WATER @ EYEMOUTH MILL	15.289	83	80.460	1.564	254
21017	ETTRICK WATER @ BROCKHOPRIG	30.238	35	79.972	1.208	654
21019	MANOR WATER @ CADEMUIR	11.259	20	80.590	1.327	762
21020	YARROW WATER @ GORDON ARMS	28.520	25	79.805	1.280	723
21022	WHITEADDER WATER @ HUTTON CASTLE	50.000	76	74.710	1.434	387
21024	JED WATER @ JEDBURGH	29.884	77	80.080	1.020	485
21025	ALE WATER @ ANCRUM	23.166	76	80.073	1.252	562
21026	TIMA WATER @ DEEPOPE	31.038	73	79.966	1.219	625

Number	Name	qthresh	np	pkinsp	CVRI	ipos
21029	TWEED @ GLENBRECK	21.508	24	78.917	1.034	733
21030	MEGETT WATER @ HENDERLAND	32.675	15	79.676	1.220	780
21031	TILL @ ETAL	44.313	71	79.798	1.498	288
21032	GLEN @ KIRKNEWTON	19.629	75	79.749	1.338	131
21034	YARROW WATER @ CRAIG DOUGLAS	18.774	15	79.676	1.261	781
22001	COQUET @ MORWICK	78.000	74	74.000	1.644	91
22002	COQUET @ BYGATE	15.117	38	80.051	1.309	528
22003	USWAY BURN @ SHILLMOOR	10.216	48	80.718	1.607	417
22004	ALN @ HAWKHILL	32.660	68	79.579	1.560	265
22006	BLYTH @ HARTFORD BRIDGE	24.322	79	80.080	1.669	154
22007	WANSBECK @ MITFORD	46.123	41	80.745	1.834	537
22008	ALWIN @ CLENNELL	5.755	15	79.676	2.397	782
23001	TYNE @ BYWELL	540.467	65	80.048	1.407	479
23002	DERWENT @ EDDYS BRIDGE	25.521	34	80.168	1.259	835
23003	NORTH TYNE @ REAVERHILL	247.000	77	77.000	1.416	59
23004	SOUTH TYNE @ HAYDON BRIDGE	252.600	56	80.338	1.244	491
23005	NORTH TYNE @ TARSET	143.877	68	79.579	1.217	266
23006	SOUTH TYNE @ FEATHERSTONE	180.000	51	53.569	1.062	234
23007	DERWENT @ ROWLANDS GILL	26.000	56	55.110	1.821	194
23008	REDE @ REDE BRIDGE	88.575	63	80.194	1.173	351
23010	TARSET BURN @ GREENHAUGH	36.150	30	80.623	1.019	651
23011	KIELDER BURN @ KIELDER	32.865	64	79.513	1.168	391
23012	EAST ALLEN @ WIDE EALS	39.345	37	80.907	1.124	602
23013	WEST ALLEN @ HINDLEY WRAE	34.125	41	79.598	1.204	532
23015	NORTH TYNE @ BARRASFORD	304.237	63	79.915	1.157	705
24001	WEAR @ SUNDERLAND BRIDGE	113.577	63	80.434	1.100	486
24002	GAUNLESS @ BISHOP AUCKLAND	8.800	73	79.910	1.388	182
24003	WEAR @ STANHOPE	63.000	75	75.000	1.128	60
24004	BEDBURN BECK @ BEDBURN	13.200	77	77.000	1.249	66
24005	BROWNEY @ BURN HALL	18.465	79	80.076	1.251	224
24006	ROOKHOPE BURN @ EASTGATE	12.830	68	79.579	1.024	267
24007	BROWNEY @ LANCHESTER	7.000	41	55.307	1.348	323
24008	WEAR @ WITTON PARK	88.700	54	80.748	1.168	632
24009	WEAR @ CHESTER LE STREET	150.000	31	66.798	1.360	747
24801	BURNHOPE BURN @ BURNHOPE RESERVOIR	13.813	74	79.897	0.952	704
25001	TEES @ BROKEN SCAR	210.000	78	78.000	1.165	45
25002	TEES @ DENT BANK	172.720	56	80.338	2.042	492
25003	TROUT BECK @ MOOR HOUSE	11.002	61	80.384	1.084	272
25004	SKERNE @ SOUTH PARK	12.316	80	80.000	1.557	51
25005	LEVEN @ LEVEN BRIDGE	19.211	48	80.659	1.368	577
25006	GRETA @ RUTHERFORD BRIDGE	43.865	80	80.000	1.142	76
25007	CLOW BECK @ CROFT	9.000	37	52.961	1.222	316
25008	TEES @ BARNARD CASTLE	155.000	62	70.136	1.439	204
25009	TEES @ LOW MOOR	176.800	57	79.429	1.235	447
25010	BAYDALE BECK @ MOWDEN BRIDGE	3.541	63	80.434	1.640	487
25011	LANGDON BECK @ LANGDON	9.585	55	80.231	1.038	375
25012	HARWOOD BECK @ HARWOOD	25.622	15	79.676	1.222	783
25018	TEES @ MIDDLETON IN TEESDALE	96.650	53	79.475	1.241	501
25020	SKERNE @ PRESTON LE SKERNE	10.130	41	79.938	1.454	708
25021	SKERNE @ BRADBURY	4.235	42	79.300	1.482	671
25808	BURNT WEIR @ MOOR HOUSE	0.069	19	80.480	1.329	853

Number	Name	qthresh	np	pkinsp	CVRI	ipos
25809	BOG WEIR @ MOOR HOUSE	0.040	17	72.008	•	854
25810	SYKE WEIR @ MOOR HOUSE	0.058	10	82.330	•	856
26007	CATCHWATER @ WITHERNICK	1.133	26	79.850	•	683
27001	NIDD @ HUNSGORE WEIR	69.763	73	79.757	•	221
27002	WHARFE @ FLINT MILL WEIR	165.174	72	79.717	•	333
27004	CALDER @ NEWLANDS	135.000	57	63.114	•	335
27006	DON @ HADFIELDS WEIR	50.618	78	80.118	•	183
27007	URE @ WESTWICK LOCK	176.152	76	80.190	•	179
27008	SWALE @ LECKBY GRANGE	123.945	75	80.140	•	180
27009	OUSE @ SKELTON	265.000	47	49.976	•	115
27010	HODGE BECK @ BRANSDALE WEIR	5.250	50	56.565	•	384
27012	HERDEN WATER @ HIGH GREENWOOD	7.890	70	79.476	•	550
27014	RYE @ LITTLE HABTON	57.267	56	80.384	•	565
27015	DERWENT @ STANFORD BRIDGE	66.694	41	80.546	•	649
27021	DON @ DONCASTER	84.453	77	79.616	•	219
27022	DON @ ROTHERHAM WEIR	71.611	32	78.857	•	776
27023	DEARNE @ BARNSLEY WEIR	15.500	66	70.179	•	124
27024	SWALE @ RICHMOND	153.547	73	79.464	•	217
27025	ROTHER @ WOODHOUSE MILL	28.173	76	80.225	•	185
27026	ROTHER @ WHITTINGTON	19.026	75	79.749	•	125
27027	WHARFE @ ILKLEY	173.410	46	80.437	•	633
27028	AIRE @ ARMLEY	97.581	75	79.749	•	132
27029	CALDER @ ELLAND	80.222	71	80.567	•	551
27030	DEARNE @ ADWICK	17.443	71	80.317	•	205
27031	COLNE @ COLNE BRIDGE	78.500	39	58.304	•	434
27033	SEA CUT @ SCARBOROUGH	19.800	54	63.701	•	241
27034	URE @ KILGRAM BRIDGE	170.584	58	80.118	•	317
27035	AIRE @ KILDWICK BRIDGE	49.484	58	80.118	•	318
27036	DERWENT @ MALTON	66.988	12	81.406	•	808
27040	DOE LEA @ STAVELEY	5.956	45	80.590	•	464
27041	DERWENT @ BUTTERCRAMBE	69.287	22	79.253	•	793
27042	DOVE @ KIRKBY MILLS	9.003	39	80.605	•	607
27043	WHARFE @ ADDINGHAM	165.000	22	64.660	•	732
27048	DERWENT @ WEST AYTON	0.892	31	78.852	•	703
27049	RYE @ NESS	20.500	33	79.530	•	692
27051	CRIMPLE @ BURN BRIDGE	2.372	14	78.630	•	829
27052	WHITTING @ SHEEPBRIDGE	11.500	16	67.847	•	814
27053	NIDD @ B'IRSTWITH	48.287	27	79.462	•	726
27054	HODGE BECK @ CHERRY FARM	7.411	22	79.253	•	794
27055	RYE @ BROADWAY FOOT	34.500	18	64.843	•	795
27058	RICCAL @ CROOK HOUSE FARM	5.400	20	72.048	•	796
27059	LAYER @ RIPON	14.000	19	68.446	•	797
27061	COLNE @ LONGROYD BRIDGE	19.272	15	80.524	•	832
27835	CALDER @ MIDLAND BRIDGE	120.000	16	79.696	•	817
27846	AIRE @ ASH BRIDGE	267.302	15	79.163	•	830
28002	BLITHE @ HAMSTALL RIDWARE	14.569	46	80.000	•	845
28003	TAME @ WATER ORTON	50.642	75	79.749	•	161
28004	TAME @ LEA MARSTON	53.645	75	79.749	•	116
28005	TAME @ ELFORD	72.719	72	80.430	•	385
28006	TRENT @ GREAT HAYWOOD	19.914	75	79.749	•	162
28007	TRENT @ SHARDLOW	180.040	54	80.458	•	740

Number	Name	qthresh	np	pknsnp	CVRI	ipos
28008	DOVE @ ROCESTER WEIR	56.584	75	80.223	1.173	195
28009	TRENT @ COLWICK	296.130	75	79.749	1.329	119
28010	DERWENT @ LONGBRIDGE WEIR	95.000	72	73.955	1.619	178
28011	DERWENT @ MATLOCK BATH	62.643	76	80.000	1.374	197
28012	TRENT @ YOXALL	46.132	75	79.749	1.692	163
28014	SOW @ MILFORD	18.427	77	80.140	1.696	233
28015	IDLE @ MATTERSEY	8.894	31	79.163	2.241	748
28016	RYTON @ SERLBY PARK	8.600	26	75.866	1.422	753
28017	DEVON @ COTHAM	13.600	51	65.690	1.447	280
28018	DOVE @ MARSTON ON DOVE	81.326	75	79.749	1.451	165
28019	TRENT @ DRAKELOW PARK	120.997	75	79.749	1.654	166
28020	CHURNET @ ROCESTER	23.425	52	79.932	1.318	413
28021	DERWENT @ DRAYCOTT	80.000	57	72.144	1.705	279
28022	TRENT @ NORTH MUSKHAM	288.704	56	79.457	1.326	368
28023	WYE @ ASHFORD	9.780	48	79.424	1.180	457
28024	WREAKE @ SYSTON MILL	22.921	40	79.608	1.437	598
28026	ANKER @ POLESWORTH	20.000	56	73.740	1.189	315
28031	MANIFOLD @ ILAM	38.115	56	79.457	1.123	369
28032	MEDEN @ CHURCH WARSOP	2.868	60	79.387	1.594	281
28033	DOVE @ HOLLINSCLOUGH	2.609	43	79.892	1.283	600
28038	MANIFOLD @ HULME END	29.583	48	79.575	1.001	420
28039	REA @ CALTHORPE PARK	16.258	37	79.426	1.268	680
28040	TRENT @ STOKES ON TRENT	6.474	56	79.457	1.236	370
28041	HAMPS @ WATERHOUSES	13.889	48	79.575	1.287	421
28043	DERWENT @ CHATSWORTH	37.994	52	79.932	1.393	414
28045	MEDEN @ BOTHAMSTALL	6.400	38	62.997	1.465	422
28046	DOVE @ IZAAK WALTON	7.792	48	79.424	1.229	458
28047	OLDCOTES DYKE @ BLYTH	4.200	42	74.475	1.717	523
28048	AMBER @ WINGFIELD PARK	11.219	40	80.145	1.548	599
28049	RYTON @ WORKSOP	2.600	43	72.948	1.579	526
28052	SOW @ GREAT BRIDGFORD	7.200	39	69.155	1.234	524
28053	PENK @ PENKRIDGE	17.041	31	80.396	1.461	759
28054	SENCE @ BLABY	11.588	36	78.983	1.533	656
28055	ECCLESBOURNE @ DUFFIELD	7.483	37	80.907	1.577	603
28056	ROTHLEY BROOK @ ROTHLEY	6.100	32	69.216	1.391	682
28058	HENMORE BROOK @ ASHBOURNE	6.500	31	74.710	1.329	693
28059	MAUN @ MANSFIELD	6.815	71	80.317	1.233	206
28060	DOVER BECK @ LOWDHAM	1.300	34	70.271	1.518	608
28061	CHURNET @ BASFORD BRIDGE	18.376	27	79.462	1.528	727
28066	COLE @ COLESHILL	12.249	33	81.109	0.962	702
28067	DERWENT @ CHURCH WILNE	90.530	37	79.426	1.919	681
28069	TAME @ TAMWORTH	71.860	52	79.932	1.260	415
28070	BURRAGE BROOK @ BURRAGE	2.040	75	78.802	1.451	220
28082	SOAR @ LITTLETHORPE	13.826	45	79.794	1.304	525
28804	TRENT @ TRENT BRIDGE	271.947	77	80.080	1.101	738
29001	WATHE BECK @ BRIGSLEY	1.368	75	79.749	1.770	126
29002	GREAT EAU @ CLAYTHORPE MILL	2.082	47	79.597	1.619	589
29003	LUD @ LOUTH	1.680	69	80.369	1.916	242
29004	ANCHOLME @ BISHOPBRIDGE	3.567	63	79.420	1.602	307
29009	ANCHOLME @ TOFT NEWTON	1.305	44	79.484	1.678	642
30001	WITHAM @ CLAYPOLE MILL	8.918	80	80.000	1.752	77

Number	Name	qthresh	np	pknsnp	CVRI	ipos
30002	BARLINGS EAU @ LANGWORTH BRIDGE	13.090	79	79.697	1.473	230
30003	BAIN @ FULSBY LOCK	8.733	80	80.000	1.753	97
30004	PARTNEY LYNN @ PARTNEY MILL	3.827	70	80.108	1.530	306
30005	WITHAM @ SALTERSFORD TOTAL	3.900	63	79.420	1.776	308
30011	BAIN @ COULCEBY BRIDGE	1.682	63	79.679	1.846	372
30012	STAINFIELD BECK @ STAINFIELD	4.400	42	75.871	1.558	643
30014	POINTON LODGE @ POINTON	1.022	49	79.948	1.567	508
30017	WITHAM @ COLSTERWORTH	3.037	30	79.915	1.231	777
31002	GLEN @ KATES BRIDGE	9.040	75	79.749	2.116	123
31005	WELLAND @ TIXOVER	15.860	80	79.889	1.418	155
31006	GWASH @ BELMESTHORPE	6.109	22	80.761	1.336	764
31010	CHATER @ FOSTERS BRIDGE	4.173	72	80.223	1.433	300
31021	WELLAND @ ASHLEY	18.371	45	80.590	1.383	465
31023	WEST GLEN @ EASTON WOOD	0.706	59	80.643	1.400	497
31025	GWASH SOUTH ARM @ MANTON	4.000	37	77.319	1.148	774
31026	EGLTON BROOK @ EGLTON	0.300	31	64.781	1.034	775
32002	WILLOW BROOK @ FOTHERINGHAY	3.078	80	80.000	1.471	6
32003	HARPERS BROOK @ OLD MILL BRIDGE	4.564	80	80.000	1.535	10
32004	ISE BROOK @ HARROWDEN OLD MILL	8.562	83	80.169	1.311	139
32007	NENE BRAMPTON @ ST ANDREWS	10.080	62	64.107	1.664	222
32008	NENE/KISLINGSBURY @ DODFORD	6.041	81	79.890	1.400	160
32010	NENE @ WANSFORD	41.894	75	79.749	1.392	112
32029	FLORE @ EXPERIMENTAL CATCHMENT	0.946	15	81.390	1.108	833
33006	WISSEY @ NORTHOLD	4.454	80	80.000	1.665	61
33009	BEDFORD OUSE @ HARROLD MILL	44.500	78	78.000	1.524	25
33011	LITTLE OUSE @ COUNTY BRIDGE EUSTON	1.400	80	80.000	1.674	92
33012	KYM @ NEAGRE FARM	9.454	80	80.000	1.824	83
33013	SAPISTON @ RECTORY BRIDGE	2.591	80	80.000	1.830	84
33014	LARK @ TEMPLE	4.648	80	80.000	1.787	93
33015	OUZEL @ WILLEN	11.229	39	79.547	2.085	590
33017	BEDFORD OUSE @ ST IVES STAUNCH	57.974	65	79.947	1.799	622
33018	TOVE @ CAPPENHAM BRIDGE	10.179	79	80.080	1.404	157
33019	THET @ WELFORD BRIDGE	4.651	80	80.000	1.648	106
33020	ALCONBURY BROOK @ BRAMPTON	11.000	67	67.000	1.674	107
33021	RHEE @ BURNT MILL	5.152	80	80.000	1.792	98
33022	VEL @ BLUNHAM	11.430	78	79.757	2.020	201
33023	LEA BROOK @ BECK BRIDGE	1.816	59	80.411	1.831	361
33024	CAM @ DERNFORD	4.991	80	80.000	1.738	108
33027	RHEE @ WIMPOLE	2.940	76	77.712	2.090	202
33029	STRINGSIDE @ WHITE BRIDGE	1.734	78	79.757	1.581	203
33030	CLIPSTONE BROOK @ CLIPSTONE	4.300	48	80.718	1.881	418
33031	BROUGHTON BROOK @ BROUGHTON	3.397	55	80.092	1.370	403
33033	HIZ @ ARLESEY	2.068	47	79.597	1.302	591
33034	LITTLE OUSE @ ABBEY HEATH	11.690	39	51.945	1.450	366
33037	BEDFORD OUSE @ NEWPORT PAGNELL	31.957	59	80.411	1.355	362
33039	BEDFORD OUSE @ ROXTON	49.303	49	79.948	1.558	509
33044	THET @ BRIDGEM	5.700	51	59.693	1.607	273
33045	WITTLE @ QUIDENHAM	0.500	59	69.057	1.658	274
33046	THET @ RED BRIDGE	3.750	61	71.398	1.479	275
33048	LARLING BROOK @ STONEBRIDGE	0.153	59	80.411	1.459	363
33050	SNAIL @ FORDHAM	1.000	44	79.484	1.382	644

Number	Name	qthresh	np	pknsnp	CVRI	ipos
33051	CAM @ CHESTERFORD	4.453	59	80.411	1.744	364
33055	GRANTA @ BABRAHAM	2.200	34	72.795	1.425	713
33057	OUZEL @ LEIGHTON BUZZARD	4.350	31	74.506	1.292	754
33058	OUZEL @ BLETCHLEY	13.300	29	77.252	1.426	778
33063	LITTLE OUSE @ KNETTISHALL	1.700	20	76.133	1.486	826
33809	BURY BROOK @ BURY WEIR	3.514	45	80.239	1.850	471
34001	YARE @ COLNEY	6.500	64	63.123	1.387	144
34002	TAS @ SHOTESHAM	4.600	56	56.000	1.547	46
34003	BURE @ INGORTH	2.969	80	80.000	1.573	52
34004	WENSUM @ COSTESSEY MILL	15.000	48	48.000	1.624	62
34005	TUD @ COSTESSEY PARK	1.435	80	80.000	1.502	67
34006	MAVENNEY @ NEEDHAM MILL	9.597	41	80.745	2.149	538
34007	DOVE @ OAKLEY PARK	4.100	83	80.485	1.746	259
34008	ANT @ HONING LOCK	0.738	84	80.201	1.344	260
34010	MAVENNEY @ BILLINGFORD BRIDGE	5.520	62	63.661	1.503	296
34011	WENSUM @ FAKENHAM	2.729	81	80.220	1.780	215
34018	STIFFKEY @ WARHAM ALL SAINTS	1.840	46	60.386	1.257	440
35003	ALDE @ FARNHAM	2.628	80	80.000	1.841	68
35004	ORE @ BEVERSHAM BRIDGE	2.602	82	80.000	1.800	174
35008	GIPPING @ STOWMARKET	6.137	81	80.215	1.632	216
35010	GIPPING @ BRAHFORD	7.220	71	80.090	1.650	389
35014	BUCKLESHAM MILL @ NEWBOURN	0.325	66	80.611	1.544	739
36002	GLEN @ GLEMSFORD	5.030	68	79.953	1.413	342
36003	BOX @ POLSTEAD	1.234	80	80.000	1.762	94
36004	CHAD BROOK @ LONG MELFORD	2.618	72	80.339	1.644	269
36005	BRETT @ HADLEIGH	4.898	68	79.953	1.479	343
36006	STOUR @ LANGHAM	17.591	63	80.194	1.782	352
36007	BELCHAMP BROOK @ BARDFIELD BRIDGE	1.835	81	79.890	1.816	133
36008	STOUR @ WESTMILL	12.282	63	80.194	1.706	353
36009	BRETT @ COCKFIELD	1.447	67	80.244	1.631	302
36010	BUMPSTEAD BROOK @ BROAD GREEN	2.819	72	80.339	1.667	270
36011	STOUR BROOK @ STURMER	3.115	67	80.244	1.410	303
36015	STOUR @ LAMARSH	19.033	49	79.548	1.891	521
37001	RODING @ REDBRIDGE	14.155	72	79.690	1.634	249
37003	TER @ CRABBS BRIDGE	2.314	81	79.890	1.663	127
37005	COLNE @ LEXDEN	6.909	68	79.953	1.764	344
37006	CAN @ BEACH'S MILL	11.882	76	80.060	1.794	191
37007	WID @ WRITTLE	8.059	81	79.890	1.749	128
37008	HELMER @ SPRINGFIELD	8.650	24	73.812	1.741	725
37009	BRAIN @ GUTHAVON VALLEY	1.710	12	81.406	2.201	809
37010	BLACKWATER @ APPLEFORD BRIDGE	7.080	68	79.953	1.816	345
37011	HELMER @ CHURCHEND	3.758	68	79.953	1.741	346
37012	COLNE @ POOLSTREET	3.209	68	79.953	1.822	347
37013	SANDON BROOK @ SANDON BRIDGE	4.199	59	80.157	1.739	371
37014	RODING @ HIGH ONGAR	5.725	56	80.157	1.720	319
37016	PANT @ COPFORD HALL	4.209	82	80.000	1.727	176
37017	BLACKWATER @ STISTED	6.400	63	74.074	1.657	348
37018	INGREBOURNE @ GAYNES PARK	3.956	30	80.623	1.509	652
37019	BEAM @ BRETONS FARM	4.998	45	80.722	1.299	470
37020	HELMER @ FELSTED	5.814	64	79.513	1.768	392
37031	CROUCH @ WICKFORD	5.069	79	80.134	1.709	192

Number	Name	qthresh	np	pksinsp	CVRI	ipos
38002	ASH @ MARDOCK	3.680	72	79.690	1.580	247
38003	MIMRAM @ PANSHANGER PARK	1.415	72	79.690	1.450	252
38004	RIB @ WADESMILL	7.461	72	79.690	1.446	258
38007	CANONS BROOK @ ELIZABETH WAY	4.168	72	79.690	1.293	250
38020	COBBINS BROOK @ SEWARDSTONE ROAD	4.742	26	79.073	1.608	684
38021	TURKEY BROOK @ ALBANY PARK	4.875	26	79.073	1.165	685
38022	PYMES BROOK @ EDMONTON SILVER STREET	13.912	72	79.690	1.253	253
38026	PINCEY BROOK @ SHEERING HALL	3.870	18	78.720	1.545	791
39001	THAMES @ KINGSTON	216.424	80	80.000	1.423	1
39002	THAMES @ DAYS WEIR	100.000	53	53.000	1.370	7
39003	WANDLE @ CONNOLLYS MILL	5.416	69	79.807	1.466	619
39004	WANDLE @ BEDDINGTON PARK	2.329	69	79.807	2.128	618
39005	BEVERLEY BROOK @ WIMBLEDON COMMON	7.881	39	79.547	1.767	592
39007	BLACKWATER @ SWALLOWFIELD	16.403	80	80.000	1.350	38
39008	THAMES @ EYNSHAM	45.250	80	80.000	1.410	26
39011	WEY @ TILFORD	16.358	55	79.692	1.520	667
39012	HOGSMILL @ KINGSTON UPON THAMES	9.400	57	60.609	1.232	120
39016	KENNET @ THEALE	25.827	80	80.000	1.446	99
39017	RAY @ GRENDON UNDERWOOD	2.133	80	80.351	1.556	158
39018	OCK @ ABINGDON	8.354	54	80.622	1.860	365
39021	CHEWELL @ ENSLOW MILL	17.066	74	79.580	1.185	209
39022	LODDON @ SHEEPBRIDGE	10.601	74	79.580	1.430	210
39023	WYE @ HEDSOR	2.470	20	80.196	1.207	813
39024	GATWICK STREAM @ GATWICK	4.716	70	79.492	1.423	549
39025	ENBORNE @ BRIMPTON	10.523	64	79.395	1.431	284
39026	CHEWELL @ BANBURY	8.980	64	79.395	1.452	285
39027	PANG @ PANGBOURNE	1.805	55	80.231	1.720	376
39028	DUN @ HUNGERFORD	1.170	50	67.448	1.286	324
39029	TILLINGBOURNE @ SHALFORD	1.390	21	49.751	1.140	698
39034	EVENLODE @ CASSINGTON MILL	13.000	49	76.479	1.431	425
39035	CHURN @ CERNEY WICK	2.465	55	80.231	1.531	377
39036	LAW BROOK @ ALBURY	0.297	59	79.589	1.660	325
39038	THAME @ SHABBINGTON	12.122	59	79.589	1.343	326
39040	THAMES @ WEST MILL CRICKLADE	7.600	45	79.483	1.633	539
39044	HART @ BRAMSHILL HOUSE	5.205	45	79.483	1.195	540
39049	SILK STREAM @ COLINDEEP LANE	7.460	76	80.000	2.173	620
39052	THE CUT @ BINFIELD	4.589	80	80.000	1.399	85
39053	MOLE @ HORLEY	16.394	80	80.000	1.309	109
39055	YEADING BK WEST @ YEADING WEST	2.775	33	79.530	0.901	694
39056	RAVENSBOURNE @ CATFORD HILL	5.715	27	79.462	1.054	728
39057	CRANE @ CRANFORD PARK	8.765	33	79.530	1.044	695
39058	POOL @ WINSFORD ROAD	2.440	27	79.462	0.994	729
39069	MOLE @ KINNERSLEY MANOR	19.650	43	79.909	1.235	611
39081	OCK @ ABINGDON	7.481	21	78.184	1.591	815
39086	GATWICK STREAM @ GATWICK LINK	6.000	30	71.073	1.204	699
39090	COLE @ INGLESHAM	6.608	33	80.716	1.494	731
39092	DOLLIS BK @ HENDON LANE BRIDGE	4.389	47	80.162	1.451	741
39093	BRENT @ MONKS PARK	15.331	80	80.351	1.167	138
39095	QUAGGY @ MANOR HOUSE GARDENS	3.400	75	79.749	1.692	134
39096	WEALDSTONE BROOK @ WEMBLEY	7.335	26	79.627	1.141	768
39813	MOLE @ IFFIELD WEIR	1.699	41	79.925	1.569	743

Number	Name	qthresh	np	pksinsp	CVRI	ipos
39824	RAVENSBORNE EAST @ BROMLEY SOUTH	2.655	63	79.784	1.284	243
39827	POOL @ SELWORTHY ROAD	4.233	20	79.869	2.206	825
39830	BECK @ RECTORY ROAD	1.379	27	78.784	1.658	755
39831	CHAFFINCH BROOK @ BECKENHAM	1.656	27	78.784	1.529	756
39834	BRENT @ HANWELL	15.743	31	79.163	1.208	749
40003	MEDWAY @ TESTON	89.000	66	66.993	1.526	226
40004	ROTHAM @ UDIAL	19.000	63	62.913	1.583	156
40005	BEULT @ STILE BRIDGE	18.800	73	75.628	1.624	232
40006	BOURNE @ HADLOW	3.466	80	80.442	1.395	261
40007	MEDWAY @ CHAFFORD WEIR	29.658	80	80.000	1.447	86
40008	GREAT STOUR @ WYE	16.500	53	54.963	1.493	164
40009	TEISE @ STONE BRIDGE	17.020	72	71.209	1.450	152
40010	EDEN @ PENSURST	17.425	80	80.000	1.678	78
40011	GREAT STOUR @ HORTON	15.600	58	57.205	1.646	129
40012	DARENT @ HAWLEY	2.300	56	62.947	1.829	246
40016	CRAY @ CRAYFORD	3.500	55	80.231	1.163	378
40017	DUDWELL @ BURWASH	11.937	59	80.000	1.401	398
40018	DARENT @ LULLINGSTONE	2.086	73	79.893	1.492	211
40020	ERIDGE STREAM @ HENDAL BRIDGE	19.413	53	80.171	1.621	584
40022	GREAT STOUR @ CHART LEACON	3.566	59	79.757	1.532	441
40809	PIPPINGFORD BROOK @ PAYGATE	5.727	50	80.372	1.411	433
41003	CUCKMERE @ SHERMAN BRIDGE	19.100	51	54.868	1.371	175
41005	OUSE @ GOLD BRIDGE	18.919	75	79.749	1.562	130
41006	UCK @ ISFIELD	17.979	71	80.317	1.466	207
41007	ARUN @ PARK MOUND	29.469	56	80.384	1.728	566
41011	ROTHER @ IPING MILL	17.184	58	80.118	1.481	320
41012	ADUR @ BRANCH @ SAKHAM	10.500	53	80.612	1.288	381
41014	ARUN @ PALLINGHAM QUAY	39.000	32	70.207	1.239	657
41016	CUCKMERE @ COMBEECH	3.401	58	80.118	1.850	321
41018	KIRD @ TANYARDS	9.600	46	79.979	1.174	468
41020	BEVERN STREAM @ CLAPPERS BRIDGE	8.100	48	79.575	1.618	423
41021	CLAYHILL STREAM @ OLD SHIP	1.935	18	81.830	1.419	785
41022	LOD @ HALFWAY BRIDGE	8.361	36	78.983	1.328	658
41025	LOXWOOD STREAM @ DRUNGWICK	18.415	36	78.983	1.329	659
41026	COCKHAISE BROOK @ HOLYWELL	4.500	38	73.773	1.673	533
41027	ROTHER @ PRINCES MARSH	5.000	30	67.862	1.283	663
41028	CHESS STREAM @ CHESS BRIDGE	4.500	51	65.140	1.405	287
41801	HOLLINGTON STREAM @ HOLLINGTON	1.323	20	80.590	1.465	763
41806	NORTH END STREAM @ ALLINGTON	0.460	48	68.706	2.076	322
41807	BEVERN STREAM @ EAST CHILTINGTON	1.811	43	79.347	1.240	461
42001	WALLINGTON @ NORTH FAREHAM	7.800	33	70.654	1.327	714
42011	HAMBLE @ FROG MILL	5.041	39	80.605	1.465	609
42014	BLACKWATER @ OWER	9.465	37	79.218	1.422	715
43002	STOUR @ ENSBURY	77.029	45	80.534	1.251	634
43005	AVON @ AMESBURY	7.210	69	67.317	1.276	177
43006	NADDER @ WILTON PARK	10.126	81	80.211	1.477	218
43007	STOUR @ THROOP MILL	64.000	46	64.583	1.346	576
43009	STOUR @ HAMMOON	55.171	72	80.223	1.463	301
43014	EAST AVON @ UPAGON	2.185	64	79.513	1.382	393
43017	WEST AVON @ UPAGON	2.967	64	79.513	1.460	394
44003	ASKER @ BRIDPORT	7.406	48	80.718	1.344	419

Number	Name	qthresh	np	pksinsp	CVRI	ipos
45001	EXE @ THORVERTON	111.455	80	80.000	1.362	31
45002	EXE @ STOODLEIGH	82.526	80	80.000	1.383	53
45003	CULM @ WOOD MILL	33.347	80	80.000	1.490	69
45004	AXE @ WHITFORD	49.100	74	72.195	1.410	173
45005	OTTER @ DOTTON	35.743	80	80.000	1.289	70
45006	QUARME @ ENTERWELL	4.500	34	78.508	1.231	660
45008	OTTER @ FENNY BRIDGES	23.500	57	67.536	1.298	629
45009	EXE @ PIXTON	27.635	67	80.602	1.839	570
45011	BARLE @ BRUSHFORD	43.820	45	75.770	1.417	472
45012	CREEDY @ COMLEY	49.000	75	73.973	1.349	135
45801	BACK BROOK @ HAMKERLAND	0.967	12	81.406	1.135	810
46002	TEIGN @ PRESTON	83.500	66	66.000	1.432	32
46003	DART @ AUSTINS BRIDGE	121.132	80	80.000	1.592	39
46005	EAST DART @ BELLEVER	26.000	54	53.260	1.167	121
46006	ERME @ ERMINGTON	34.600	21	24.882	0.981	630
46007	WEST DART @ DUNNABRIDGE	43.400	32	75.106	1.529	655
46008	AVON @ LODDISWELL	30.000	26	56.853	1.302	604
46801	ERME @ ERME INTAKE	17.133	8	77.979	1.747	828
46806	AVON @ AVON INTAKE	17.812	54	80.000	1.298	843
47001	TAMAR @ GUNNISLAKE	189.962	80	80.000	1.480	35
47004	LYNHER @ PYLLATON MILL	28.469	80	80.351	1.472	150
47005	OTTERY @ MERRINGTON PARK	33.354	75	79.724	1.364	298
47006	LYD @ LIFTON PARK	63.501	34	80.229	1.245	647
47007	YEALM @ PUSLINCH	17.994	39	79.547	1.540	593
47008	THRUSHEL @ TINHAY	31.732	71	80.090	1.641	390
47009	TIDDY @ TIDEFORD	4.338	69	79.660	1.670	439
47010	TAMAR @ CROWFORD BRIDGE	42.310	44	79.930	1.477	640
47011	PLYM @ CARN WOOD	25.222	37	80.907	1.433	605
47014	WALKHAM @ HORRABRIDGE	15.753	63	79.702	1.407	572
48001	FOWEY @ TREKEIVESTEPS	11.288	75	80.245	1.973	340
48002	FOWEY @ RESTORMEL	31.808	43	79.970	1.455	578
48003	FAL @ TREGONY	8.295	76	79.883	1.793	299
48004	WARLEGGAN @ TRENGOFFE	5.462	75	80.218	1.771	341
48005	KENWYN @ TRURO	2.740	62	80.561	1.270	360
48006	COBER @ HELSTON	3.951	57	80.028	1.510	401
48007	KENNALL @ PONSANOOTH	3.001	57	80.028	1.962	402
48009	ST NEOT @ CRAIGSHILL WOOD	5.000	37	65.353	1.378	541
48010	SEATON @ TREBROWNBRIDGE	4.500	58	71.583	1.597	493
48011	FOWEY @ RESTORMEL II	27.700	57	70.349	2.048	494
49001	CAMEL @ DENBY	34.275	82	79.985	1.531	143
49002	HAYLE @ ST ERTH	3.000	74	77.939	1.653	264
49003	DE LANK @ DE LANK	8.000	55	70.445	1.378	575
49004	GANNEL @ GWILLS	6.881	60	80.394	1.442	495
50001	TAW @ UMBERLEIGH	141.768	56	80.384	1.665	567
50002	TORRIDGE @ TORRINGTON	158.800	35	71.388	1.377	594
50005	WEST OKMENT @ VELLAKE	14.604	22	80.761	1.157	765
50006	MOLE @ WOODLEIGH	112.000	31	78.125	1.372	687
50007	TAW @ TAW BRIDGE	30.777	32	80.388	1.740	688
50810	LITTLE DART @ DART BRIDGE	20.548	32	80.398	1.788	689
51002	HORNER WATER @ WEST LUCCOMBE	2.929	32	79.266	1.308	752
51003	WASHFORD @ BECGEARN HUISH	2.966	52	80.685	1.824	499

Number	Name	qthresh	np	pknsinp	CVRI	ipos
52003	HALSE WATER @ BISHOPS HULL	5.507	82	80.450	1.931	294
52004	ISLE @ ASHFORD MILL	18.898	80	80.000	1.347	87
52005	TONE @ BISHOPS HULL	29.104	64	79.731	1.604	442
52006	YEO @ PEN MILL	30.800	66	67.692	•	189
52007	PARRETT @ CHISELBOROUGH	11.700	50	60.136	•	571
52009	SHEPPEY @ FENNY CASTLE	4.200	64	75.572	•	350
52010	BRUE @ LOVINGTON	21.894	82	79.750	1.291	262
52011	CARY @ SOMERTON	6.700	82	76.742	•	292
52014	TONE @ GREENHAM	7.500	40	65.420	•	473
52015	LAND YEO @ WRAXALL BRIDGE	1.328	25	80.082	1.631	761
52016	CURRYPOOL STREAM @ CURRYPOOL FARM	1.300	69	76.196	•	488
52017	CONGRESBURY YEO @ IWOOD	5.495	47	79.502	1.983	744
52020	GALLICA STREAM @ GALLICA BRIDGE	10.281	25	79.342	1.508	770
53001	AVON @ MELKSHAM	42.152	78	79.950	1.484	198
53002	SENINGTON BROOK @ SEMINGTON	15.093	71	79.843	1.620	568
53003	AVON @ BATH ST JAMES	86.945	78	80.271	1.332	737
53004	CHEW @ COMPTON DANDO	8.445	80	80.000	1.318	40
53005	MIDFORD BROOK @ MIDFORD	14.999	79	79.904	1.332	151
53006	FROME(BRISTOL) @ FRENCHAY	16.000	80	80.000	1.446	63
53007	FROME(SOMERSET) @ TELLISFORD	32.386	80	80.000	1.445	64
53008	AVON @ GREAT SOMERFORD	20.052	81	80.072	1.597	184
53009	WELLOW BROOK @ WELLOW	7.274	81	80.225	1.312	214
53013	MARDEN @ STANLEY	8.778	81	80.426	1.535	338
53017	BOYD @ BITTON	6.100	67	75.327	•	569
53018	AVON @ BATHFORD	88.633	73	80.000	1.751	490
53019	WOODBIDGE BROOK @ CRAB MILL	6.180	45	80.022	1.623	466
53020	GAUZE BROOK @ RODBOURNE	2.300	64	64.000	•	79
53023	SHERSTON AVON @ FOSSEWAY	4.250	44	61.074	•	742
53025	HELLS @ VALLIS	10.489	44	79.387	1.502	819
54001	SEVERN @ BEMDLEY	236.398	80	80.000	1.504	4
54002	AVON @ EVESHAM	79.945	80	80.000	1.358	8
54004	SOWE @ STONELEIGH	16.208	78	79.596	1.230	187
54005	SEVERN @ MONTFORD	202.810	80	80.000	1.223	27
54006	STOUR @ KIDDERMINSTER	11.504	83	80.000	1.657	337
54007	ARROW @ BROOM	30.000	70	72.305	•	227
54008	TEME @ TENBURY	73.310	73	79.625	1.451	293
54010	STOUR @ ALSCOT PARK	18.261	80	80.436	1.412	190
54011	SALWARPE @ HARFORD MILL	9.046	79	80.080	1.330	147
54012	TERN @ WALCOT	25.903	80	80.000	1.281	71
54013	CLYWEDOG @ CRIBYNAU	28.989	20	79.930	1.116	837
54014	SEVERN @ ABERMULE	107.252	80	80.000	1.278	80
54016	RODEN @ RODINGTON	8.800	65	80.278	1.455	496
54017	LEADON @ WEDDERBURN BRIDGE	16.479	69	80.369	1.617	297
54018	REA BROOK @ HOOKAGATE	15.600	48	80.116	1.298	601
54019	AVON @ STARETON	14.276	69	80.155	1.284	349
54020	PERRY @ YEATON	6.400	79	79.000	•	100
54022	SEVERN @ PLYNLIMON FLUME	8.538	66	80.045	1.243	621
54023	BADSEY BROOK @ OFFENHAM	6.410	62	80.329	1.980	357
54025	DULAS @ RHOS-Y-PENTREF	12.430	55	80.231	1.333	379
54026	CHELT @ SLATE MILL	5.342	32	79.859	1.339	650
54028	VYRNWY @ LLANYMYNECH	161.545	53	79.475	1.236	502

Number	Name	qthresh	np	pknsnp	CVRI	ipos
54029	TEME @ KNIGHTSFORD BRIDGE	110.000	36	53.431	1.240	506
54032	SEVERN @ SAXONS LODGE	288.436	59	79.775	1.399	395
54034	DOWLES BROOK @ DOWLES	3.948	56	80.287	1.386	443
54036	ISBOURNE @ HINTON ON THE GREEN	6.400	49	76.347	1.396	579
54038	TANAT @ LLANYBLODWEL	47.286	51	79.464	1.325	580
54057	SEVERN @ HAW BRIDGE	355.507	42	79.300	1.450	672
54065	RODEN @ STANTON	8.069	18	81.830	1.376	786
54088	LITTLE AVON @ BERKELEY KENNELS	8.509	42	80.072	1.335	806
55001	WYE @ CADORA	354.000	76	78.213	1.322	735
55002	WYE @ BELMONT	297.033	80	80.000	1.340	3
55003	LUGG @ LUGWARDINE	45.125	80	80.000	1.483	11
55004	IRFON @ ABERNANT	36.565	80	80.000	1.318	12
55005	WYE @ RHAYADER	66.874	73	79.748	1.142	802
55007	WYE @ ERWOOD	291.629	80	80.000	1.285	13
55008	WYE @ CEFN BRWYN	11.920	79	80.080	1.528	140
55009	MONNOW @ KENTCHURCH	66.228	77	80.050	1.297	554
55010	WYE @ PANT MAWR	30.458	80	80.000	1.222	72
55011	ITHON @ LLANDEWI	32.629	53	80.446	1.144	573
55012	IRFON @ CILMERY	110.000	59	76.794	1.302	332
55013	ARROW @ TITLEY MILL	15.020	69	80.369	1.597	244
55014	LUGG @ BYTON	17.000	48	55.909	1.195	245
55015	HONDDU @ TAFOLOG	9.600	78	78.000	1.366	41
55016	ITHON @ DISSERTH	58.611	17	82.000	1.136	787
55017	CHWFRU @ CARREG-Y-WEN	11.538	17	82.000	1.425	788
55018	FROME @ YARKHILL	13.200	51	76.910	1.370	374
55021	LUGG @ BUTTS BRIDGE	24.336	40	79.903	1.541	531
55022	TROTHY @ MITCHEL TROY	20.070	36	79.222	1.479	617
55023	WYE @ REDBROOK	369.849	55	80.231	1.324	380
55025	LLYNFI @ THREE COCKS	20.277	48	80.020	1.264	469
55026	WYE @ DDOL FARM	70.693	51	79.600	1.158	426
55029	MONNOW @ GROSOMT	70.377	43	79.909	1.516	612
56001	USK @ CHAIN BRIDGE	210.716	78	80.114	1.229	148
56002	EBBW @ RHWDERYN	52.738	80	79.659	1.359	263
56003	HONDDU @ THE FORGE BRECON	11.731	56	80.045	1.484	373
56004	USK @ LLANDETTY	179.995	73	80.543	1.371	219
56005	LWYD @ PONTNIR	26.731	68	79.832	1.279	314
56006	USK @ TRALLONG	84.619	80	80.000	1.345	110
56011	SIRHOWY @ WATTSVILLE	21.383	41	79.598	1.133	534
56012	GRWYNE @ MILLBROOK	11.338	52	80.580	1.370	451
56013	YSCIR @ PONTARYSCIR	19.000	47	76.685	1.419	510
56015	OLWAY BROOK @ OLWAY INN	16.952	40	80.899	1.597	677
56019	EBBW @ ABERBEEG	23.868	37	79.218	1.554	716
57003	TAFF @ TONGWYLAIS	170.034	37	79.243	1.315	613
57004	CYNON @ ABERCYNON	39.480	80	80.000	1.257	111
57005	TAFF @ PONTYPRIDD	165.641	59	79.589	1.247	327
57006	RHONDDA @ TREHAFOD	58.511	49	79.427	1.101	432
57007	TAFF @ FIDDLERS ELBOW	57.318	43	79.909	1.451	614
57008	RHYMNEY @ LLANEDEYRN	57.966	45	79.483	1.167	542
57009	ELY @ ST FAGANS	32.872	34	80.549	1.222	700
57010	ELY @ LANELAY	19.420	59	79.556	1.276	383
57015	TAFF @ MERTHYR TYDFIL	42.298	21	78.184	1.646	816

Number	Name	qthresh	np	pknsnp	CVRI	ipos
57803	CLUN & CROSS INN	12.655	22	80.761	1.542	766
58001	OGMORE & BRIDGEND	65.976	80	80.000	1.594	95
58002	NEATH & RESOLVEN	115.250	70	79.731	1.426	240
58003	EWENNY & EWENNY PRIORY	15.511	31	79.163	1.300	750
58004	AFAN & CMAVON	41.678	21	80.694	1.535	779
58005	OGMORE & BRYNMENYN	27.204	63	80.194	1.397	354
58006	MELLTE & PONTNEDDEFCHAN	38.751	48	80.347	1.390	467
58007	LLYNFI & COYTRAHEN	24.778	59	79.775	1.438	396
58008	DULAIS & CILFREW	28.639	45	79.483	1.322	543
58009	EWENNY & KEEPERS LODGE	18.826	53	79.475	1.626	503
58010	HEPSTE & ESCAIR CARNAU	8.643	17	80.462	1.068	792
58011	THAW & GIGMAN BRIDGE	4.454	31	79.098	1.396	734
59001	TAW & YNSTANGLWS	141.598	60	80.053	1.237	563
59002	LOUGHOR & TIR-Y-DAIL	33.599	64	79.395	1.327	286
60002	COTHI & FELIN MYNACHDY	84.216	80	80.000	1.455	101
60003	TAF & CLOG-Y-FRAN	45.056	71	80.317	1.297	208
60004	DEWI FAWR & GLASFRYN FORD	11.000	57	76.155	1.287	331
60005	BRAN & LLANDOVERY	22.600	59	79.589	1.445	328
60006	GWILI & GLANGWILI	42.204	17	82.000	1.165	789
60007	TYWI & DOLAU HIRION	91.000	37	49.912	1.096	329
60009	SAWDE & FELIN-Y-CWM	78.000	29	53.892	1.214	615
60010	TYWI & NANTGAREDIG	220.007	80	80.000	1.434	81
60012	TWRCH & DDOL LAS	8.664	51	79.600	1.281	427
60013	COTHI & PONT YNYS BRECHFA	73.965	31	80.189	1.312	653
61001	WESTERN CLEDDAU & PRENDERCAST MILL	38.940	80	80.000	1.531	102
61002	EASTERN CLEDDAU & CANASTON BRIDGE	49.119	80	80.000	1.381	96
61003	GWAUN & CILRHEDYN BRIDGE	10.209	59	79.589	1.232	330
62001	TEIFI & GLAN TEIFI	123.153	80	80.000	1.303	88
62002	TEIFI & LLANFAIR	73.924	41	79.598	1.164	535
63001	YSTWYTH & PONT LLOLWYN	61.795	43	79.970	1.129	581
63002	RHEIDOL & LLANBADARN FAWR	49.905	77	79.697	1.320	168
63003	WYRE & LLANRHYSTYD	16.368	38	79.693	2.470	527
64001	DYFI & DYFI BRIDGE	203.276	80	80.000	1.378	103
64002	DYSYNNI & PONT-Y-GARTH	40.095	76	79.828	1.287	235
64005	UNION & DOLGELLAU	98.094	12	81.406	1.310	811
64006	LERI & DOLYBONT	9.194	44	79.484	1.273	645
65001	GLASLUN & BEDDGELEERT	65.000	51	73.093	1.113	446
65002	DWYRD & MAENTWROG	82.598	22	80.761	1.232	767
65004	GWYRFAI & BONTNEWYDD	13.153	56	80.287	1.102	444
65005	ERCH & PENCAENEMYDD	6.896	53	79.475	1.320	504
65006	SEIONT & PEBLIG MILL	26.139	42	79.300	1.273	673
65007	DWYFAWR & GARNODLBENNAEN	23.001	41	79.938	1.284	709
66001	CLWYD & PONT-Y-CAMBELL	261.133	23	80.512	1.326	798
66002	ELWY & PANT YR ONEN	43.701	43	79.970	1.247	582
66003	ALED & BRYN ALED	12.600	75	75.423	1.342	237
66004	WHEELER & BODFARI	2.000	33	78.180	1.644	701
66005	CLWYD & RUTHIN WEIR	6.434	49	79.948	1.236	511
66006	ELWY & PONT-Y-GWYDDEL	39.000	38	63.461	1.206	635
66011	CONWY & CWM LLANERCH	272.000	79	77.039	1.341	186
66801	UPPERCONWAY & BLAEN Y COED	10.445	19	78.003	1.216	851
67002	DEE & ERBISTOCK RECTORY	151.719	70	79.532	1.478	545

Number	Name	qthresh	np	pknsinp	CVRI	ipos
67003	BRENIG @ LLYN BRENIG OUTFLOW	8.182	35	80.817	1.128	661
67005	CEIRIOG @ BRYNKINALT WEIR	15.412	80	80.000	1.320	36
67006	ALWEN @ DRUID	41.130	81	80.110	1.346	153
67007	DEE @ GLYNDYFRDWY	121.088	35	80.817	1.466	662
67008	ALYN @ PONT-Y-CAPEL	14.192	72	80.121	1.301	271
67009	ALYN @ RHYDYMYN	4.318	80	80.000	1.248	54
67013	HIRNANT @ PLAS RHIWEDOG	14.033	43	79.347	1.264	462
67014	DEE @ CORWEN	122.632	48	80.162	1.581	636
67015	DEE @ MANLEY HALL	134.000	41	68.471	1.437	637
67018	DEE @ NEW INN	49.784	54	79.975	1.619	448
67019	TRYWERNY @ WEIR X	38.325	11	81.730	1.414	855
67025	CLYWEDOG @ BOWLING BANK	9.200	30	58.491	1.265	710
68001	WEAVER @ ASHBROOK	33.394	80	80.000	1.425	9
68002	GOMY @ PICTON	11.224	72	79.690	1.771	248
68003	DANE @ RUDHEATH	35.879	80	80.000	1.146	23
68004	WISTASTON BROOK @ MARSHFIELD BRIDGE	6.662	81	79.599	1.429	196
68005	WEAVER @ AUDLEM	12.339	80	80.000	1.296	5
68006	DANE @ HULME WALFIELD	31.126	78	79.602	1.346	225
68007	WINCHAM BROOK @ LOSTOCK GRALAM	11.945	80	80.104	1.186	238
68010	FENDER @ FORD	2.916	32	80.398	1.138	690
68011	ARLEY BROOK @ GORE FARM	4.467	27	79.462	1.426	730
68014	SANDERSONS BROOK @ SANDBACH	0.640	15	79.163	1.300	831
68015	GOMY @ HUXLEY	4.015	43	79.909	1.524	616
68018	DANE @ CONGLETON PARK	26.313	75	80.314	1.470	295
68020	GOMY @ BRIDGE TRAFFORD	13.987	24	80.934	1.740	824
69001	MERSEY @ IRLAM WEIR	90.058	77	79.584	1.324	159
69002	IRWELL @ ADELPHI WEIR	125.911	72	79.923	1.312	291
69003	IRK @ SCOTLAND WEIR	24.808	75	79.734	1.376	231
69006	BOLLIN @ DUNHAM MASSEY	28.100	63	58.526	1.461	336
69007	MERSEY @ ASHTON WEIR	88.857	76	80.475	1.241	199
69008	DEAN @ STANNEYLANDS	5.581	63	80.222	1.224	367
69011	MICKER BROOK @ CHEADLE	8.962	67	80.244	1.105	304
69012	BOLLIN @ WILMSLOW	9.087	59	79.932	1.118	400
69013	SINDERLAND BROOK @ PARTINGTON	4.245	64	80.191	0.911	358
69015	ETHEROW @ COMPTALL	24.084	52	79.932	1.341	416
69017	GOYT @ MARPLE BRIDGE	27.351	40	80.757	1.061	641
69018	NEWTON BROOK @ NEWTON LE WILLOWS	2.574	38	80.051	1.274	529
69019	WORSLEY BROOK @ ECCLES	3.328	58	79.862	1.584	399
69020	MEDLOCK @ LONDON ROAD	8.486	63	80.194	1.022	355
69023	ROCH @ BLACKFORD BRIDGE	48.181	72	79.690	1.173	251
69024	CHOAL @ FARMWORTH WEIR	35.368	80	80.000	1.400	24
69025	IRWELL @ MANCHESTER RACECOURSE	162.574	25	80.201	1.367	823
69027	TAME @ PORTWOOD	31.102	79	79.936	1.066	141
69034	MUSBURY BROOK @ HELMSHORE	2.840	31	79.163	1.200	751
69035	IRWELL @ BURY BRIDGE	89.716	37	79.966	1.579	720
69040	IRWELL @ STUBBINS	40.996	43	79.530	1.373	711
69041	TAME @ BROOMSTAIR BRIDGE	29.400	51	75.114	1.081	459
69042	ETHEROW @ WOODHEAD	8.351	68	80.157	1.300	555
70003	DOUGLAS @ CENTRAL PARK WIGAN	9.037	41	80.877	1.500	648
70004	YARROW @ CROSTON MILL	17.566	34	79.670	1.180	712
70005	LOSTOCK @ LITTLEWOOD BRIDGE	11.483	31	81.248	1.894	760

Number	Name	qthresh	np	pkinsp	CVRI	ipos
70006	TAWD @ NEWBURGH	7.483	51	80.107	1.150	430
71001	RIBBLE @ SAMLESBURY	395.017	78	79.857	1.348	228
71003	CROASDALE @ CROASDALE FLUME	7.313	53	79.559	1.374	668
71004	CALDER @ WHALLEY WEIR	96.000	60	76.375	1.338	356
71005	BOTTOMS BECK @ BOTTOMS BECK FLUME	8.416	51	79.410	2.052	498
71006	RIBBLE @ HENTHORN	143.627	45	80.480	1.160	474
71007	RIBBLE @ HODDERFOOT	285.000	22	36.592	0.949	431
71008	HODDER @ HODDER PLACE	127.327	52	79.465	1.010	449
71009	RIBBLE @ JUMBLES ROCK	381.937	59	79.775	1.293	397
71010	PENDLE WATER @ BARDEN LANE	41.658	50	80.027	1.230	505
71011	RIBBLE @ ARNFORD	111.000	19	29.035	0.857	450
71013	DARWEN @ EWOOD BRIDGE	16.793	51	79.464	1.380	583
71014	DARWEN @ BLUE BRIDGE	55.064	48	80.162	1.397	638
71802	RIBBLE @ HALTON WEST	111.000	8	71.015	1.158	840
71803	HODDER @ HIGHER HODDER BRIDGE	214.757	37	80.127	1.099	745
72001	LUNE @ HALTON	402.000	22	79.515	1.119	722
72002	WYRE @ ST MICHAELS	89.539	79	80.436	1.474	229
72004	LUNE @ CATON	402.000	32	76.910	2.001	757
72005	LUNE @ KILLINGTON NEW BRIDGE	119.668	54	79.532	1.378	456
72006	LUNE @ KIRKBY LONSDALE	283.313	63	79.420	1.353	309
72009	WENNING @ WENNINGTON ROAD BRIDGE	55.232	52	80.590	1.278	452
72011	RAWTHEY @ BRIGG FLATTS	170.000	42	75.713	1.121	544
72013	BORROWBECK @ BORROW BRIDGE WEIR	32.000	15	75.751	1.214	812
72014	CONDOR @ GALGATE	18.250	38	79.239	2.018	674
72015	LUNE @ LUNES BRIDGE	114.000	13	68.250	1.499	838
72016	WYRE @ SCORTON WEIR	47.743	50	80.684	1.626	585
72804	LUNE @ BROADRAINE	130.000	16	62.888	1.182	801
72807	WENNING @ HORNBLY	152.234	79	80.080	1.357	149
73001	LEVEN @ NEWBY BRIDGE	46.300	66	67.921	1.187	736
73002	CRAKE @ LOW NIBTHWAITE	10.000	22	68.855	0.803	769
73005	KENT @ SEDGWICK	74.193	63	79.420	1.475	310
73008	BELA @ BEETHAM	22.250	58	80.418	1.463	412
73009	SPRINT @ SPRINT MILL	19.400	47	68.443	1.321	404
73011	MINT @ MINT BRIDGE	26.000	48	69.899	1.265	405
73013	ROTHAY @ MILLER BRIDGE HOUSE	56.943	63	79.420	1.398	311
73014	BRATHAY @ JEFFY KNOTTS	31.556	55	80.092	1.233	406
73015	KEER @ HIGH KEER WEIR	8.296	37	80.907	1.762	606
73803	WINSTER @ LOBBY BRIDGE	6.052	44	80.671	1.283	463
73805	KENT @ KENDAL (NETHER BRIDGE)	84.291	23	80.512	1.418	799
74001	DUDDON @ DUDDON HALL	65.583	63	79.420	1.188	312
74002	IRT @ GALESYKE	12.090	50	79.873	1.116	460
74005	EHEN @ BRAYSTONES	53.871	40	79.589	1.505	678
74006	CALDER @ CALDER HALL	25.500	45	76.210	1.424	595
75002	DERWENT @ CAMERTON	123.698	80	80.000	1.498	89
75004	COCKER @ SOUTHWAIT BRIDGE	38.000	38	44.477	1.205	276
75005	DERWENT @ PORTINSCALE	69.816	49	79.948	1.608	512
75006	NEWLANDS BECK @ BRAITHWAITE	24.896	67	80.244	1.271	305
75007	GLEDERAMACKIN @ THRELKELD	48.549	38	80.051	1.310	530
75009	GRETA @ LOW BRIERY	56.000	40	80.159	1.228	597
75010	MARRON @ ULLOCK	11.600	25	70.356	1.476	686
75017	ELLEN @ BULLGILL	20.333	38	79.239	1.505	675

Number	Name	qthresh	np	pksinsp	CVRI	ipos
76002	EDEN @ WARWICK BRIDGE	296.000	77	77.000 *	1.305	90
76003	EAMONT @ UDFORD	104.314	74	79.594	1.547	193
76004	LOWTHER @ EAMONT BRIDGE	77.290	55	55.000 *	1.502	104
76005	EDEN @ TEMPLE SOWERBY	186.000	67	66.082 *	1.201	136
76007	EDEN @ SHEEPMOUNT	410.000	46	53.841 *	1.237	277
76008	IRTHING @ GREENHOLME	95.304	68	79.591	1.439	278
76009	CALDEW @ HOLM HILL	47.244	63	79.420	1.350	313
76010	PETTERIL @ HARRABY GREEN	16.000	48	69.899 *	1.138	407
76011	COAL BURN @ COALBURN	1.000	10	80.000	1.470	839
76014	EDEN @ KIRKBY STEPHEN	57.530	56	80.287	1.412	445
77001	ESK @ NETHERBY	400.400	67	72.901 *	1.247	236
77002	ESK @ CANONBIE	194.581	80	80.000	1.202	73
77003	LIDDEL WATER @ ROMANBURNFOOT	162.855	48	80.162	1.239	639
77005	LYNE @ CLIFF BRIDGE	76.284	37	79.218	1.367	717
78003	ANNAN @ BRYDEKIRK	192.591	83	80.449	1.374	255
78004	KINNEL WATER @ REDHALL	42.676	78	79.919	1.363	146
78005	KINNEL WATER @ BRIDGEMUIR	74.579	55	79.793	1.307	803
79002	NITH @ FRIARS CARSE	282.000	75	75.000 *	1.268	33
79003	NITH @ HALL BRIDGE	47.872	80	80.000	1.312	55
79004	SCAR WATER @ CAPENOCH	89.393	80	80.000	1.254	74
79005	CLUDEN WATER @ FIDDLERS FORD	73.712	81	79.890	1.288	117
79006	NITH @ DRUMLANRIG	179.729	83	80.438	1.331	256
80001	URR @ DALBEATTIE	60.223	81	79.890	1.236	118
80003	WHITE LAGGAN BURN @ LOCH DEE	7.000	44	80.611	1.627	836
80801	PULLAUGH BURN @ DIVERSION WORKS	9.650	27	78.784 *	1.443	758
81002	CREE @ NEWTON STEWART	136.154	80	80.000	1.238	75
81003	LUCE @ AIRYHEMING	89.914	83	80.428	1.215	257
82001	GIRVAN @ ROBSTONE	63.966	73	79.535	1.252	169
82003	STINCHAR @ BALNOWLART	118.475	37	79.545	1.945	821
83002	GARNOCK @ DALRY	40.250	37	80.127	1.222	746
83004	LUGAR @ LANGHOLM	86.773	63	79.702	1.452	574
83005	IRVINE @ SHEWALTON	134.600	32	80.398	1.296	691
83006	AYR @ MAINHOLM	199.500	23	80.771	1.500	800
83802	IRVINE @ KILMARNOCK	57.700	84	80.212	1.815	436
84001	KELVIN @ KILLERMONT	70.419	75	79.749	1.363	113
84002	CALDER @ MUIRSHIEL	12.282	13	77.527	0.927	818
84003	CLYDE @ HAZELBANK	170.587	80	80.000	1.407	28
84004	CLYDE @ SILLS	124.507	75	79.749	1.321	114
84005	CLYDE @ BLAIRSTON	248.096	80	80.000	1.515	29
84006	KELVIN @ BRIDGEND	11.608	79	80.082	1.260	223
84007	SOUTH CALDER WATER @ FORGEWOOD	10.948	55	79.682	1.354	382
84008	ROTTEN CALDER WATER @ REDLEES	17.650	62	79.859	1.304	282
84009	NETHAN @ KIRKMUIRHILL	24.300	62	79.859	1.471	283
84011	GRYFE @ CRAIGEND	42.145	73	79.535	1.206	170
84012	WHITE CART WATER @ HAWKHEAD	77.693	80	80.000	1.485	82
84013	CLYDE @ DALDOWIE	255.697	77	79.568	1.451	167
84014	AVON WATER @ FAIRHOLM	97.970	81	79.890	1.414	122
84015	KELVIN @ DRYFIELD	45.981	80	80.000	1.367	15
84016	LUGGIE WATER @ CONDRORRAT	10.917	83	80.170	1.588	289
84017	BLACK CARC WATER @ MILLIKEN PARK	19.164	17	82.000	1.142	790
84018	CLYDE @ TULLIFORD MILL	151.600	48	79.575	1.348	424

Number	Name	qthresh	np	pknsinp	CVRI	ipos
84019	NORTH CALDER WATER @ CALDERPARK	18.490	73	79.535	1.552	171
84020	GLAZERT WATER @ MILTON OF CAMPSIE	35.990	81	80.414	1.364	339
84023	BOTHLIN BURN @ AUCHENGIECH	5.800	33	79.530	1.250	696
84025	LUGGIE WATER @ OXGANG	17.300	33	79.530	1.231	697
84026	ALLANDER WATER @ MILNGAVIE	16.598	68	80.570	1.466	631
84806	CLYDE @ CAMBUSNETHAN	218.071	31	80.324	1.285	842
85002	ENDRICK WATER @ GAIDREW	81.535	73	79.535	1.213	172
85003	FALLOCH @ GLEN FALLOCH	115.971	67	79.431	1.041	438
85001	LITTLE EACHAIG @ DALINLONGART	31.563	62	79.768	1.178	359
87801	ALLT UAINNE @ INTAKE	6.700	73	80.229	1.384	664
89804	STRAE @ DUTLETTER	37.894	53	79.942	1.220	772
90801	NEVIS @ ACHREOCH	32.902	9	77.676	1.056	857
91002	LOCHY @ CAMISKY	334.571	44	79.387	1.558	820
91802	ALLT LEACHDACH @ INTAKE	4.736	67	79.509	1.202	478
93001	CARRON @ NEW KESLO	87.500	46	74.142	1.389	805
94001	EME @ POOLEWE	54.136	74	79.717	0.970	437
95801	LITTLE GRUINARD @ LITTLE GRUINARD	0.859	13	82.158	1.361	834
95803	ABHAIN CUTLEG @ BRAEMORE	83.105	7	80.845	2.112	841
96001	HALLADALE @ HALLADALE	63.934	63	80.615	1.016	670
96002	NAVER @ APICILL	72.844	53	79.942	1.459	773
97002	THURSO @ HALKIRK	52.990	72	79.509	1.307	489
201002	FAIRY WATER @ DUDGEON BRIDGE	52.903	52	80.590	1.212	453
201005	CAMOWEN @ CAMOWEN TERRACE	48.581	49	79.948	1.188	513
201006	DRUMRAGH @ CAMPSIE BRIDGE	82.941	49	79.948	1.192	514
201007	BURN DENNETT @ BURNDENNET BRIDGE	30.101	34	79.333	1.144	719
201008	DERG @ CASTLEBERG	126.037	37	79.218	1.328	718
203010	BLACKWATER @ MAYDOWN BRIDGE	61.500	52	75.724	1.339	408
203011	MAIN @ DROMONA	32.438	51	79.600	1.225	428
203012	BALLINDERRY @ BALLINDERRY BRIDGE	74.591	55	80.092	1.167	409
203013	MAIN @ ANDRAID	122.410	51	79.600	1.748	429
203017	UPPER BANN @ DYNES BRIDGE	51.637	55	80.092	1.346	410
203018	SIX MILE WATER @ ANTRIM	47.000	55	80.092	1.222	411
203019	CLAUDY @ GLENONE BRIDGE	22.880	46	80.277	1.260	519
203020	MOYOLA @ MOYOLA NEW BRIDGE	75.055	46	80.277	1.393	520
203021	KELLS WATER @ CURRYS BRIDGE	50.000	49	75.941	1.279	454
203025	CALLAN @ CALLAN NEW BRIDGE	29.338	52	80.590	1.512	455
203026	GLENNAVY @ GLENNAVY	8.933	40	80.191	1.431	679
203028	AGIVEY @ WHITE HILL	44.110	47	79.597	1.379	596
203033	UPPER BANN @ BANNFIELD	39.468	38	79.239	1.340	676
204001	BUSH @ SENEIRL	55.628	30	79.245	1.335	721
205003	LAGAN @ DUNMURRY	37.500	43	71.643	1.204	522
205004	LAGAN @ NEWFORGE	37.779	49	79.948	1.263	515
205005	RAVERNET @ RAVERNET	9.000	45	73.422	1.732	516
205008	LAGAN @ DRUMMILLER	13.195	44	79.484	1.423	646
205011	ANNACLOY @ KILMORE	22.084	21	79.940	1.204	827
206001	CLANRYE @ MOUNT MILL BRIDGE	11.569	49	79.948	1.300	517
206002	JERRETSPASS @ JERRETSPASS	5.064	49	79.948	1.389	518